ATTACHMENT A

UMAM Worksheets -Gadsden County

Site/Project Name		Application Numbe	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-296A
FLUCCs code	Further classifica	ation (optional)		Impact	t or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.C	FW, AP, other local/state/federa	al designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	Irologic connection with	n wetlands, other	surface water, upl	ands		
Wetland that has been isolated by	a road and rail line and	l adjacent to light	industrial facilities	ŝ.		
Assessment area description						
The canopy and shrub strata in the cover is dominated by slender crov				ple,wa	ter oak, and southern b	payberry. The ground
Significant nearby features			Uniqueness (co regional landsca		ing the relative rarity in	relation to the
Industrial opera	ations, roadways, rail		Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious	permit/other historic us	e
Wildlife habitat, wat	er treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Base that are representative of the asses to be found)				T, SSO	y Listed Species (List s C), type of use, and inte	
Wading bire	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Utili	ization (List species dir	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number		
Gulf NFRC I	Phase 3			W-GOL-296A		
Impact or Mitigation		Assessment conducted by:	Assessment d			
Impact of Miligation	earing)	M. Harrington	Assessment u	4/16/2019		
Scoring Guidance	Optimal (10)	Moderate(7)	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 waterfunctions	of Condition is insufficient to provide wetland/surface water functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	landscape support variable herbaceous community. Inc (situated between raised roz Lygodium); c) Wildlife acces benefit fish & wildlife downs = 4; f) Hydrologically conne	ad and railway) and subject to ss to and from outside = 2 (ac tream-distance or barriers = 5	ss of contiguous forested p Support to wildlife listed in public use; b) Invasive ex ccess restricted by roads an 5; e) Impacts to wildlife liste sessment area = 6; g) Dep	Parcels and conversion to Part 1 by outside habitats = 2 ptic species = 5 (moderate		
.500(6)(b)Water Environment (n/a for uplands) v/o pres or <u>current with</u> 6 6	freshwater marsh, although water levels and flows = 7 (ditching); c) soil moisture = from roadway, adjacent land zonation = 7 (consistent wit animal species with specific of and associated with wate	7 (consistent with expected); duses); e) evidence of fire his h expected); g) hydrologic stru- c hydrological requirements = er quality degradation = 7 (con- noff); K) existing water quality	arry turbidity impacts. Indi b) water level indicators = 5 d) soil erosion or depositio tory = 7 (consistent with ex ess on vegetation = 7 (con 7 (consistent with expected sistent with expected); j) d	vidual parameter scores: a) (altered hydroperiod due to to		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age	eter scores: a) plant commu kpected, grouncover some sance species); c) regenera a & size distribution = 7 (typ nd cavity = 7 (consistent wi ces = 6 (silvicultural practic	what lacking); b) invasive ation and recruitment = 7 ical of forested wetland); e) th expected); f) plant condition = es and access roads), h)		
Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as miti Preservation adjustme	-		sessment areas a x acres =		
current or w/o pres with	Adjusted mitigation de	FI = 0 17 x 0 072 = 0 012				
0.57 0.4] [
	If mitigation		For mitigation a	assessment areas		
	If mitigation Time lag (t-factor) =		For mitigation a			

Site/Project Name		Application Numbe	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GOI	L-296B
FLUCCs code	Further classifica	ation (optional)		Impact	t or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.C	DFW, AP, other local/state/federa	al designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	Irologic connection with	n wetlands, other	surface water, upl	ands		
Wetland that has been isolated by	a road and rail line and	I adjacent to light	industrial facilities	ŝ.		
Assessment area description						
The canopy and shrub strata in the cover is dominated by slender crow				ple,wa	ter oak, and southern b	payberry. The ground
Significant nearby features			Uniqueness (co regional landsca		ing the relative rarity in	relation to the
Industrial operations, roadways, rail			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious	permit/other historic us	e
Wildlife habitat, wa	er treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSO	by Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessr	Assessment Area Name or Number		
Gulf NFRC F	Phase 3		W-GOL-296B			
Impact or Mitigation		Assessment conducted by:	Assess	nent date:		
Impact of Miligation Impact (Cle	aring)	M. Harrington	1,000301	4/16/2019		
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Not Present (0)			
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 maintain most wetland/surface waterfunctions	pport of Condition is insufficie water provide wetland/surface functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	landscape support variable herbaceous community. Ind (situated between raised roa Lygodium); c) Wildlife acces benefit fish & wildlife downs = 4; f) Hydrologically connect	for wetland forests through lo lividual parameter scores: a) ad and railway) and subject to ss to and from outside = 2 (ac tream-distance or barriers = 5	ss of contiguous fore Support to wildlife lis public use; b) Invas ccess restricted by ro 5; e) Impacts to wildli sessment area = 6; g	would reduce the location and ested parcels and conversion to ted in Part 1 by outside habitats ive exotic species = 5 (moderate ads and railway; d) functions tha fe listed in Part 1 by outside lanc) Dependency of downstream ar	t uses	
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6 6	freshwater marsh, although water levels and flows = 7 (a ditching); c) soil moisture = from roadway, adjacent land zonation = 7 (consistent with animal species with specific of and associated with wate	silt fencing will reduce tempo appropriate for time of year; b 7 (consistent with expected); duses); e) evidence of fire his h expected); g) hydrologic str hydrological requirements = r quality degradation = 7 (cor hoff); K) existing water quality	orary turbidity impacts b) water level indicato d) soil erosion or dep tory = 7 (consistent to ess on vegetation = 7 (consistent with expected sistent with expected	onverting forested system to a s. Individual parameter scores: ors = 5 (altered hydroperiod due to position = 5 (some existing erosis with expected); f) vegetation com 7 (consistent with expected); h) u pected); i) vegetative species to d); j) direct observation of water of depth wave, wave energy, current	o to on munity se by erant juality	
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	compared to existing foreste shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coarse 7 (consistent with expected)	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age e woody debris, snag, den, al); g) land management practic	eter scores: a) plant of xpected, grouncover sance species); c) re e & size distribution = nd cavity = 7 (consist ces = 6 (silvicultural)	with significant loss of functional community species in the canopy somewhat lacking); b) invasive generation and recruitment = 7 7 (typical of forested wetland); e tent with expected); f) plant cond practices and access roads), h) ant communities = 8 (very minor)) tion =	
Score = sum of above scores/30 (if	If preservation as miti	gation,		act assessment areas		
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL	. = delta x acres =		
	Adjusted mitigation de	ion delta = FL = 0.17 x 0.021 = 0.004				
or w/o pres with	/ lajusted mitigation de					
or w/o pres with 0.57 0.4	, ajustea miligation ac					
	If mitigation					
			For mitig	ation assessment areas		

Site/Project Name	Application Numbe	er Assessment Area Name or Number				
Gulf NFRC Pha	se 3			W-GC	DL-298	
FLUCCs code	Further classifica	tion (optional)		Impact or Mitigation Site?	Assessment Area Size	
630			Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.OFW, AP, other local/state/federa	al designation of importance)	
Ochlockonee River						
Geographic relationship to and hyd	Irologic connection with	wetlands, other	surface water, upl	ands		
Wetland is surrounded by forested	upland and commercia	al development, c	onnects directly to	o other wetland systems up a	nd downstream.	
Assessment area description						
The canopy and shrub strata in the cover is dominated by slender crow				ple,water oak, and southern l	bayberry. The ground	
Significant nearby features			Uniqueness (co regional landsca	nsidering the relative rarity in pe.)	relation to the	
Roadways and railways			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious permit/other historic us	e	
Wildlife habitat, wat	ter treatment and storag	ge		N/A		
Anticipated Wildlife Utilization Base that are representative of the asse to be found)				ation by Listed Species (List T, SSC), type of use, and inte I)		
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dire	ectly observed, or	other signs such	as tracks, droppings, casing	s, nests, etc.):	
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number		
Gulf NFRC P	Phase 3			W-GOL-298		
Impact or Mitigation		Assessment conducted by:	Assessment da	accoment data:		
Impact of Miligation Impact (Cle	aring)	M. Harrington	Assessment d	4/16/2019		
Scoring Guidance	Optimal (10)	Moderate(7)	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 waterfunctions	f Condition is insufficient to provide wetland/surface water functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	landscape support variable herbaceous community. Ind (situated between raised roa Lygodium); c) Wildlife acces benefit fish & wildlife downs = 4; f) Hydrologically connect	ad and railway) and subject to ss to and from outside = 2 (ac tream-distance or barriers = 5	ss of contiguous forested p Support to wildlife listed in public use; b) Invasive ex- cess restricted by roads ar ;; e) Impacts to wildlife liste sessment area = 6; g) Depe	arcels and conversion to Part 1 by outside habitats = 2 otic species = 5 (moderate		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6 6	freshwater marsh, although water levels and flows = 7 (a ditching); c) soil moisture = from roadway, adjacent land zonation = 7 (consistent with animal species with specific of and associated with wate	7 (consistent with expected); duses); e) evidence of fire his h expected); g) hydrologic stro hydrological requirements = r quality degradation = 7 (con hoff); K) existing water quality	rary turbidity impacts. Indiv) water level indicators = 5 d) soil erosion or deposition tory = 7 (consistent with ex ess on vegetation = 7 (cons 7 (consistent with expected sistent with expected); j) di	ridual parameter scores: a) (altered hydroperiod due to to n = 5 (some existing erosion bected); f) vegetation community istent with expected); h) use by); i) vegetative species tolerant rect observation of water quality		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	compared to existing foreste shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coarse 7 (consistent with expected)	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis sies somewhat lacking; d) age	eter scores: a) plant commu spected, grouncover some ance species); c) regenera & size distribution = 7 (typ nd cavity = 7 (consistent with ses = 6 (silvicultural practice	what lacking); b) invasive tion and recruitment = 7 ical of forested wetland); e) h expected); f) plant condition = es and access roads), h)		
Score = sum of above scores/30 (if	If preservation as mitig	gation,	For impact as	sessment areas		
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = delt	a x acres =		
pr w/o pres with	Adjusted mitigation de	elta =	FL = 0.17 x 0.268	8 = 0.046		
0.57 0.4			L			
	If mitigation					
Delta = [with-current]	Time lag (t-factor) =		For mitigation a	ssessment areas		
		RFG = delta/(t-factor x risk) =				

Site/Project Name		Application Numbe	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GC	DL-300
FLUCCs code	Further classifica	ation (optional)		Impact	t or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	DFW, AP, other local/state/federa	al designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Wetland that has been isolated by	a road and rail line and	d adjacent to com	mercial facilities.			
Assessment area description						
The canopy and shrub strata in the cover is dominated by slender crow			ern.	-		
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)			
Commerical operations, roadways, rail			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious	permit/other historic us	e
Wildlife habitat, wa	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSO	y Listed Species (List s C), type of use, and inte	
	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessme	Assessment Area Name or Number		
Gulf NFRC	Phase 3		W-GOL-300			
Impact or Mitigation	-	Assessment conducted by:	Assessme			
Impact of Miligation Impact (C	learing)	M. Harrington	Assessine	4/16/2019		
Scoring Guidance	Optimal (10)	Moderate(7)	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 waterfunctions	condition is insufficient to provide wetland/surface water functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	landscape support variable herbaceous community. Inc (situated between raised ro Lygodium); c) Wildlife acces benefit fish & wildlife downs = 4; f) Hydrologically conne	dividual parameter scores: a) ad and railway) and subject to ss to and from outside = 2 (ac stream-distance or barriers = 5	ss of contiguous forest Support to wildlife liste public use; b) Invasive ccess restricted by road 5; e) Impacts to wildlife sessment area = 6; g)	uld reduce the location and ted parcels and conversion to ed in Part 1 by outside habitats = 2 e exotic species = 5 (moderate ds and railway; d) functions that listed in Part 1 by outside land uses Dependency of downstream areas on		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6 6	freshwater marsh, although water levels and flows = 7 (ditching); c) soil moisture = from roadway, adjacent land zonation = 7 (consistent wit animal species with specific of and associated with wate	appropriate for time of year; b 7 (consistent with expected); duses); e) evidence of fire his h expected); g) hydrologic stru- c hydrological requirements = er quality degradation = 7 (con noff); K) existing water quality	rary turbidity impacts.) water level indicators d) soil erosion or depo tory = 7 (consistent with ess on vegetation = 7 (7 (consistent with expected); sistent with expected);	verting forested system to a Individual parameter scores: a) s = 5 (altered hydroperiod due to to sistion = 5 (some existing erosion th expected); f) vegetation community (consistent with expected); h) use by ected); i) vegetative species tolerant j) direct observation of water quality epth wave, wave energy, currents		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	Clearing of canopy will conv compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age woody debris, snag, den, ar); g) land management practic	eter scores: a) plant co eter scores: a) plant co expected, grouncover sc sance species); c) rege e & size distribution = 7 and cavity = 7 (consistent ces = 6 (silvicultural pra-	(typical of forested wetland); e) nt with expected); f) plant condition =		
Score = sum of above scores/30 (i uplands, divide by 20) current pr w/o pres with 0.57 0.4	f If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =	FL =	ct assessment areas : delta x acres = 1.517 = 0.258		
Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigat	ion assessment areas		
			RFG = delta/(t-fa	actor x risk) =		
-0.17	Risk factor =		,	-		

Site/Project Name		Application Number	Ass	Assessment Area Name or Number		
Gulf NFRC F	Phase 3		W-GOL-300			
Impact or Mitigation		Assessment conducted by:	Ass	essment date		
Impact of Miligation	Fill)	M. Harrington	, 133		4/16/2019	
	·					
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7)Minimal (4)Condition is less than optimal, but sufficient to maintain mostMinimal level of support of wetland/surface water 			Not Present (0)	
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 insufficien provide wetland/surface functions	
.500(6)(a) Location and Landscape Support w/o pres or current with 4 0	landscape support variable herbaceous community. Ind (situated between raised roa Lygodium); c) Wildlife acces benefit fish & wildlife downs = 4; f) Hydrologically connect	ociated with clearing the trans for wetland forests through lo lividual parameter scores: a) ad and railway) and subject to ss to and from outside = 2 (ac tream-distance or barriers = 5 cted areas downstream of as mal benefit to downstream are	ss of contiguous Support to wildli public use; b) li ccess restricted to 5; e) Impacts to v sessment area =	forested par fe listed in Panvasive exoti by roads and wildlife listed	cels and conversion to art 1 by outside habitats = c species = 5 (moderate railway; d) functions that in Part 1 by outside land u	uses
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6 0	freshwater marsh, although water levels and flows = 7 (a ditching); c) soil moisture = from roadway, adjacent land zonation = 7 (consistent with animal species with specific of and associated with wate	nporarily impact the water env silt fencing will reduce tempo appropriate for time of year; b 7 (consistent with expected); duses); e) evidence of fire his h expected); g) hydrologic stra hydrological requirements = r quality degradation = 7 (con hoff); K) existing water quality	rary turbidity imp water level ind d) soil erosion o tory = 7 (consist ess on vegetatio 7 (consistent with sistent with expe	pacts. Individ icators = 5 (a r deposition = ent with expe n = 7 (consis h expected); j) dire	tual parameter scores: a) iltered hydroperiod due to = 5 (some existing erosion ected); f) vegetation comm tent with expected); h) us i) vegetative species tole ct observation of water qu	to n nunity e by rant uality
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 0	compared to existing foreste shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coarse 7 (consistent with expected)	rert the system to a freshwate ed system. Individual parame 7 (generally consistent eith ey ant species = 8 (very little nuis cies somewhat lacking; d) age e woody debris, snag, den, ar b; g) land management practic) siltation or algal growth in su	eter scores: a) pl spected, grounce sance species); e & size distributi nd cavity = 7 (co ces = 6 (silvicultu	ant communi over somewh c) regeneratio on = 7 (typicansistent with ural practices	ity species in the canopy, at lacking); b) invasive on and recruitment = 7 al of forested wetland); e) expected); f) plant conditi and access roads), h)	
,						
Score = sum of above scores/30 (if	If preservation as mitig	gation,	Fo		essment areas	
	If preservation as miti Preservation adjustme	-	For	r impact asse FL = delta		
Score = sum of above scores/30 (if uplands, divide by 20) current pr w/o pres with		ent factor =		FL = delta		
Score = sum of above scores/30 (if uplands, divide by 20) current	Preservation adjustme	ent factor =		FL = delta	x acres =	
Score = sum of above scores/30 (if uplands, divide by 20) current pr w/o pres with	Preservation adjustme	ent factor =	FL	FL = delta	x acres = 0.57 = 0.009	
Score = sum of above scores/30 (if uplands, divide by 20) current pr w/o pres with	Preservation adjustme	ent factor =	FL	FL = delta	x acres =	

Site/Project Name	Application Number	er Assessment Area Name or Number				
Gulf NFRC Pha	se 3				W-GC	DL-303
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.C	FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Wetland that is surrounded by road	ds, railroad tracks, and	upland forest, coi	nnects directly to c	other w	etland systems.	
Assessment area description						
The canopy and shrub strata in the cover is dominated by slender crow			ern.			
Significant nearby features			Uniqueness (co regional landsca		ing the relative rarity in	relation to the
Commerical operations, roadways, rail			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious p	permit/other historic us	e
Wildlife habitat, wat	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dire	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name				Application Number	Assessme	Assessment Area Name or Number		
	Gu	If NFRC F	Phase 3					
Impact or I	Mitigation			Assessment conducted by:	Assessme	nt date:		
I	-	npact (Cle	earing)	M. Harrington		4/16/2019		
	0.11							
	g Guidance oring of each	_	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
what wou for the typ	r is based on uld be suitable be of wetland o vater assessed	or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to	ort of Condition is insufficient to provide wetland/surface water functions			
	6)(a) Location ndscape Supp		landscape support variab herbaceous community. I (situated between raised Lygodium); c) Wildlife acc benefit fish & wildlife dow = 4; f) Hydrologically com	road and railway) and subject to cess to and from outside = 2 (ar instream-distance or barriers =	oss of contiguous forest) Support to wildlife liste o public use; b) Invasiv ccess restricted by road 5; e) Impacts to wildlife ssessment area = 6; g)	ed parcels and conversion to d in Part 1 by outside habitats = 2		
	b)Water Envir n/a for uplands		freshwater marsh, althoug water levels and flows = 7 ditching); c) soil moisture from roadway, adjacent la zonation = 7 (consistent v animal species with speci of and associated with wa	7 (appropriate for time of year; I = 7 (consistent with expected); anduses); e) evidence of fire his with expected); g) hydrologic str ific hydrological requirements = ater quality degradation = 7 (cor runoff); K) existing water quality	orary turbidity impacts. b) water level indicators ; d) soil erosion or depo story = 7 (consistent wit ress on vegetation = 7 (= 7 (consistent with expected);	verting forested system to a Individual parameter scores: a) = 5 (altered hydroperiod due to to sition = 5 (some existing erosion h expected); f) vegetation community consistent with expected); h) use by ected); i) vegetative species tolerant j) direct observation of water quality epth wave, wave energy, currents		
1. V	c)Community : /egetation and enthic Commu	d/or	compared to existing fore shrub, or ground stratum exotics or other invasive (recruitment of canopy sp density and quality of coa 7 (consistent with expected	ested system. Individual param = 7 (generally consistent eith e plant species = 8 (very little nui becies somewhat lacking; d) ago	eter scores: a) plant co expected, grouncover sc isance species); c) rege e & size distribution = 7 and cavity = 7 (consister ices = 6 (silvicultural pra	neration and recruitment = 7 (typical of forested wetland); e) nt with expected); f) plant condition = actices and access roads), h)		
	m of above sco		If preservation as m	nitigation,		ot assessment areas		
upla current	ands, divide by :	20)	Preservation adjust	ment factor =	FL =	delta x acres =		
or w/o pres	; Г	with	Adjusted mitigation	delta =	0.17	x0.068 = 0.012		
0.57		0.4						
			If mitigation					
					For milidal	ion assessment areas		
Delt	a = [with-curre	ent]	Time lag (t-factor) =	-	RFG = delta/(t-fa	ion assessment areas		

Site/Project Name	Application Number	er Assessment Area Name or Number				
Gulf NFRC Pha	se 3				W-GO	L-304B
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	FW, AP, other local/state/federa	al designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Wetland that is surrounded by road	ds, railroad tracks, and	upland forest, coi	nnects directly to c	other w	vetland systems.	
Assessment area description						
The canopy and shrub strata in the cover is dominated by slender crow			ern.			
Significant nearby features			Uniqueness (co regional landsca		ing the relative rarity in	relation to the
Utility substation, roadways, railways			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious p	permit/other historic us	e
Wildlife habitat, wa	ter treatment and storag	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dire	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:				_		
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project N	Name			Application Number	Assessmer	Assessment Area Name or Number		
	Gu	If NFRC F	Phase 3			W-GOL-304B		
Impact or Mitigation				Assessment conducted by:	Assessmer	t date:		
	-	npact (Cle	earing)	M. Harrington		4/16/2019		
			.					
Scoring C The scorir		-	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is what would for the type of surface wate	based on be suitable of wetland o	or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to	optimal, but sufficient to maintain most wetland/surface Minimal level of support of wetland/surface water functions			
	a) Location cape Suppo		landscape support variab herbaceous community. I (situated between raised Lygodium); c) Wildlife act benefit fish & wildlife dow = 4; f) Hydrologically com	road and railway) and subject to cess to and from outside = 2 (ar instream-distance or barriers =	oss of contiguous foreste) Support to wildlife listed o public use; b) Invasive ccess restricted by roads 5; e) Impacts to wildlife I ssessment area = 6; g) D	ed parcels and conversion to I in Part 1 by outside habitats = 2 exotic species = 5 (moderate		
()()	Vater Enviro		freshwater marsh, althoug water levels and flows = ditching); c) soil moisture from roadway, adjacent la zonation = 7 (consistent v animal species with spec of and associated with wa	7 (consistent with expected); anduses); e) evidence of fire his with expected); g) hydrologic str ific hydrological requirements = ater quality degradation = 7 (con runoff); K) existing water quality	orary turbidity impacts. I b) water level indicators ; d) soil erosion or depos story = 7 (consistent with ress on vegetation = 7 (c 7 (consistent with expected); j	0		
1. Veg	ommunity s getation and hic Commu	l/or	compared to existing fore shrub, or ground stratum exotics or other invasive (recruitment of canopy sp density and quality of coa 7 (consistent with expected	ested system. Individual param = 7 (generally consistent eith e plant species = 8 (very little nui becies somewhat lacking; d) ago	eter scores: a) plant con expected, grouncover sor isance species); c) reger e & size distribution = 7 (and cavity = 7 (consistent ices = 6 (silvicultural prac	mewhat lacking); b) invasive neration and recruitment = 7 (typical of forested wetland); e) t with expected); f) plant condition = ctices and access roads), h)		
Score = sum o			If preservation as m	nitigation,		assessment areas		
upland current	s, divide by 2	20)	Preservation adjust	ment factor =	FL = (delta x acres =		
or w/o pres	Г	with	Adjusted mitigation	delta =	0.17x0.	17 = 0.029		
0.57		0.4						
			If mitigation		For mitigatio			
					I UI IIIIIUAIII	on assessment areas		
Delta =	= [with-curre	ent]	Time lag (t-factor) =	=	RFG = delta/(t-fa	on assessment areas		

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number		
Gulf NFRC P		· +				
	mase 3			W-GOL-304B		
Impact or Mitigation		Assessment conducted by:	Assessment da	te:		
Impact (I	Fill)	M. Harrington		4/16/2019		
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
The scoring of each	Condition is optimal and	Condition is less than				
indicator is based on what would be suitable	fully supports	optimal, but sufficient to maintain most	Minimal level of support o wetland/surface water	f Condition is insufficient to provide wetland/surface water		
for the type of wetland or	wetland/surface water functions	wetland/surface	functions	functions		
surface water assessed		waterfunctions				
.500(6)(a) Location and Landscape Support w/o pres or current with 4 0	landscape support variable herbaceous community. Ind (situated between raised roa Lygodium); c) Wildlife acces benefit fish & wildlife downs = 4; f) Hydrologically connect	ad and railway) and subject to ss to and from outside = 2 (ac tream-distance or barriers = 5	ss of contiguous forested p Support to wildlife listed in public use; b) Invasive exc cess restricted by roads an 5; e) Impacts to wildlife lister sessment area = 6; g) Depen	arcels and conversion to Part 1 by outside habitats = 2 tic species = 5 (moderate		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6 0	water levels and flows = 7 (a ditching); c) soil moisture = from roadway, adjacent land zonation = 7 (consistent with animal species with specific of and associated with wate	7 (consistent with expected); duses); e) evidence of fire his h expected); g) hydrologic stro hydrological requirements = r quality degradation = 7 (con hoff); K) existing water quality) water level indicators = 5 d) soil erosion or depositior tory = 7 (consistent with exp ess on vegetation = 7 (cons 7 (consistent with expected sistent with expected); j) dir	(altered hydroperiod due to to = 5 (some existing erosion bected); f) vegetation community istent with expected); h) use by); i) vegetative species tolerant ect observation of water quality		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 0	compared to existing foreste shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coarse 7 (consistent with expected)	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis sies somewhat lacking; d) age	eter scores: a) plant commu spected, grouncover somew sance species); c) regenera s & size distribution = 7 (typi nd cavity = 7 (consistent wit ses = 6 (silvicultural practice	hat lacking); b) invasive tion and recruitment = 7 cal of forested wetland); e) h expected); f) plant condition = as and access roads), h)		
Score = sum of above scores/30 (if	If preservation as mitig	gation,		sessment areas		
uplands, divide by 20) current	Preservation adjustme	ent factor =	⊢L = delta	a x acres =		
or w/o pres with	Adjusted mitigation de	elta =	FL: 0.005 ac.	x 0.57 = 0.003		
v						
	If mitigation		For mitigation a	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =		REG = delta//t factor	v risk) =		
-0.57 Risk factor = RFG = delta/(t-factor x risk) =						

Site/Project Name Application N			ber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	se 3				W-GC	DL-306	
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation Site? Assessment Area			
630	630			E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	FW, AP, other local/state/federa	al designation of importance)	
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Wetland that is surrounded by road	ds, railroad tracks, and	upland forest, co	nnects directly to c	other w	etland systems.		
Assessment area description							
The canopy and shrub strata in the cover is dominated by slender crow			ern.				
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Utility substatio	n, roadways, railways		Not rare in relation to regional landscape				
Functions			Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number		
Gulf NFRC P	Phase 3			W-GOL-306		
Impact or Mitigation		Assessment conducted by:	Assessment d			
Impact of Willigation Impact (Cle	aring)	M. Harrington		4/16/2019		
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
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 maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	landscape support variable herbaceous community. Ind (situated between roadways Lygodium); c) Wildlife acces benefit fish & wildlife downs = 4; f) Hydrologically conne	s/highways) and subject to pul ss to and from outside = 2 (ac tream-distance or barriers = 5	ss of contiguous forested p Support to wildlife listed in blic use; b) Invasive exotic ccess restricted by roads a 5; e) Impacts to wildlife liste sessment area = 6; g) Dep	parcels and conversion to Part 1 by outside habitats = 2 species = 5 (moderate		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6 6	freshwater marsh, although water levels and flows = 7 (ditching); c) soil moisture = from roadway, adjacent land zonation = 7 (consistent with animal species with specific of and associated with wate	7 (consistent with expected); duses); e) evidence of fire his h expected); g) hydrologic stre hydrological requirements = r quality degradation = 7 (con noff); K) existing water quality	rary turbidity impacts. Indi) water level indicators = 5 d) soil erosion or depositio tory = 7 (consistent with ex- ess on vegetation = 7 (con 7 (consistent with expected sistent with expected); j) d	vidual parameter scores: a) (altered hydroperiod due to to		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected)	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age	eter scores: a) plant communicater scores: a) plant communicated, grouncover some sance species); c) regenerate a & size distribution = 7 (type and cavity = 7 (consistent with the set = 6 (silvicultural practice	what lacking); b) invasive ation and recruitment = 7 ical of forested wetland); e) th expected); f) plant condition = es and access roads), h)		
Score = sum of above scores/30 (if	If preservation as mitig	gation,		sessment areas		
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = del	ta x acres =		
or w/o pres with	Adjusted mitigation de	elta =	0.17x0.08	6 = 0.001		
0.57 0.4						
	If with a tig a					
	If mitigation		For mitigation	assessment areas		
Delta = [with-current]	Time lag (t-factor) =		For mitigation a	assessment areas		

Site/Project Name Application Nu			ber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	se 3			W-GOL-307A			
FLUCCs code	Further classifica	ation (optional)		Impact	t or Mitigation Site?	Assessment Area Size	
630				E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	DFW, AP, other local/state/federa	al designation of importance)	
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Wetland that is surrounded by road	ds, railroad tracks, and	upland forest, co	nnects directly to c	other w	vetland systems.		
Assessment area description							
The canopy and shrub strata in the cover is dominated by slender crow			ern.				
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Roadw	ays, railways		Not rare in relation to regional landscape				
Functions			Mitigation for previous permit/other historic use				
Wildlife habitat, wat	ter treatment and storag	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

1			Application Number	Assessment	Assessment Area Name or Number		
Gulf NFRC Phase 3					W-GOL-307A		
Impact or Mitigation			Assessment conducted by:	Assessment	date:		
,	Impact (Cle	earing)	M. Harrington		4/16/2019		
Scoring Guidance The scoring of eacl		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is based o what would be suitab for the type of wetland surface water assess	n ble d or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	optimal, but sufficient to maintain most wetland/surface water functions			
.500(6)(a) Locatio Landscape Sup w/o pres or current 6		landscape support variable herbaceous community. In (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 5	usy roads; b) Invasive exotic sp e = 6 (reduced to proximity of n ownstream flow somewhat limit	ss of contiguous forester Support to wildlife listed becies = 7 (minimal cove bads); d) functions that b ed by roads and ditching blogically connected area	d parcels and conversion to in Part 1 by outside habitats = 6 rage of Lygodium); c) Wildlife penefit fish & wildlife downstream- i; e) Impacts to wildlife listed in Part as downstream of assessment area		
.500(6)(b)Water Env (n/a for uplan w/o pres or current 6		freshwater marsh, although water levels and flows = 7 ditching); c) soil moisture = from roadway, adjacent lar zonation = 7 (consistent wi animal species with specifi of and associated with wate	7 (consistent with expected); nduses); e) evidence of fire his ith expected); g) hydrologic stra ic hydrological requirements = er quality degradation = 7 (con unoff); K) existing water quality	rary turbidity impacts. Ir) water level indicators = d) soil erosion or deposi tory = 7 (consistent with ess on vegetation = 7 (co 7 (consistent with expected); j)			
.500(6)(c)Communit 1. Vegetation a 2. Benthic Comr w/o pres or current 7	ind/or	compared to existing fores shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected	ted system. Individual parame 7 (generally consistent eith ex lant species = 8 (very little nuis ecies somewhat lacking; d) age	ter scores: a) plant com spected, grouncover som ance species); c) regene & size distribution = 7 (t ad cavity = 7 (consistent ses = 6 (silvicultural prac	newhat lacking); b) invasive eration and recruitment = 7 ypical of forested wetland); e) with expected); f) plant condition = tices and access roads), h)		
 Vegetation a Benthic Comr w/o pres or current 7 Score = sum of above so 	und/or nunity with 3 cores/30 (if	compared to existing fores shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected topographic features = 7, ;	ted system. Individual parame 7 (generally consistent eith ex- lant species = 8 (very little nuis ecies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management practio i) siltation or algal growth in su	ter scores: a) plant com spected, grouncover som ance species); c) regend & size distribution = 7 (t ad cavity = 7 (consistent ses = 6 (silvicultural prac abmerged aquatic plant of For impact	munity species in the canopy, newhat lacking); b) invasive eration and recruitment = 7 ypical of forested wetland); e) with expected); f) plant condition = tices and access roads), h) communities = 8 (very minor).		
1. Vegetation a 2. Benthic Comr w/o pres or <u>current</u> 7	und/or nunity with 3 cores/30 (if	compared to existing fores shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected topographic features = 7, ;	ted system. Individual paramet 7 (generally consistent eith ex- lant species = 8 (very little nuis ceies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management practic i) siltation or algal growth in su	ter scores: a) plant com spected, grouncover som ance species); c) regend & size distribution = 7 (t ad cavity = 7 (consistent ses = 6 (silvicultural prac abmerged aquatic plant of For impact	munity species in the canopy, newhat lacking); b) invasive eration and recruitment = 7 ypical of forested wetland); e) with expected); f) plant condition = tices and access roads), h) communities = 8 (very minor).		
 Vegetation a Benthic Comr w/o pres or current 7 Score = sum of above si uplands, divide b current pr w/o pres 	with 3 cores/30 (if y 20) with	compared to existing fores shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected topographic features = 7, ;	ted system. Individual parameters 7 (generally consistent eith ex- lant species = 8 (very little nuis cies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management practic i) siltation or algal growth in su tigation, nent factor =	ter scores: a) plant com spected, grouncover som ance species); c) regend & size distribution = 7 (t ad cavity = 7 (consistent ses = 6 (silvicultural prac abmerged aquatic plant con For impact	munity species in the canopy, newhat lacking); b) invasive eration and recruitment = 7 ypical of forested wetland); e) with expected); f) plant condition = tices and access roads), h) communities = 8 (very minor).		
 Vegetation a Benthic Comr w/o pres or current 7 Score = sum of above singlands, divide bicurrent 	with 3 cores/30 (if	compared to existing fores shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected topographic features = 7, ; If preservation as mit Preservation adjustm	ted system. Individual parameters 7 (generally consistent eith ex- lant species = 8 (very little nuis cies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management practic i) siltation or algal growth in su tigation, nent factor =	ter scores: a) plant com spected, grouncover som ance species); c) regend & size distribution = 7 (t ad cavity = 7 (consistent ses = 6 (silvicultural prac abmerged aquatic plant con For impact	munity species in the canopy, newhat lacking); b) invasive eration and recruitment = 7 ypical of forested wetland); e) with expected); f) plant condition = tices and access roads), h) communities = 8 (very minor).		
 Vegetation a Benthic Comr w/o pres or current 7 Score = sum of above si uplands, divide b current pr w/o pres 	with 3 cores/30 (if y 20) with	compared to existing fores shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected topographic features = 7, ; If preservation as mit Preservation adjustm	ted system. Individual parameters 7 (generally consistent eith ex- lant species = 8 (very little nuis cies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management practic i) siltation or algal growth in su tigation, nent factor =	ter scores: a) plant com spected, grouncover som ance species); c) regend & size distribution = 7 (t ad cavity = 7 (consistent ses = 6 (silvicultural prac bmerged aquatic plant c For impact FL = d 0.20x1.4	munity species in the canopy, iewhat lacking); b) invasive eration and recruitment = 7 ypical of forested wetland); e) with expected); f) plant condition = tices and access roads), h) communities = 8 (very minor).		
 Vegetation a Benthic Comr w/o pres or current 7 Score = sum of above si uplands, divide b current pr w/o pres 	with 3 cores/30 (if y 20) with 0.43	compared to existing fores shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected topographic features = 7, ; If preservation as mit Preservation adjustm Adjusted mitigation d	ted system. Individual parameters 7 (generally consistent eith ex- lant species = 8 (very little nuis cies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management practic i) siltation or algal growth in su tigation, nent factor =	ter scores: a) plant com spected, grouncover som ance species); c) regend & size distribution = 7 (t ad cavity = 7 (consistent ses = 6 (silvicultural prac bmerged aquatic plant c For impact FL = d 0.20x1.4	munity species in the canopy, newhat lacking); b) invasive eration and recruitment = 7 ypical of forested wetland); e) with expected); f) plant condition = tices and access roads), h) communities = 8 (very minor).		

Site/Project Nam	e		Application Number	Assessment Ar	Assessment Area Name or Number		
	Gulf NFRC I	Phase 3			W-GOL-307A		
Impact or Mitigation			Assessment conducted by:	Assessment da	te:		
Impact (Fill)			M. Harrington		4/16/2019		
Scoring Guid The scoring of		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is bas what would be s for the type of we surface water as	suitable etland or	Condition is optimal and fully supports wetland/surface water functions	e water wetland/surface wetlan		Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) L Landscap w/o pres or current 6	ocation and e Support with 0	landscape support variable herbaceous community. Ind (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 5	wnstream flow somewhat limit	ss of contiguous forested p Support to wildlife listed in l becies = 7 (minimal coverag oads); d) functions that ben ed by roads and ditching; e bologically connected areas	arcels and conversion to Part 1 by outside habitats = 6 je of Lygodium); c) Wildlife efit fish & wildlife downstream-) Impacts to wildlife listed in Part downstream of assessment area		
.500(6)(b)Wate (n/a for u w/o pres or current 6	er Environment uplands) with 0	freshwater marsh, although water levels and flows = 7 (ditching); c) soil moisture = from roadway, adjacent lan zonation = 7 (consistent wit animal species with specific of and associated with wate	th expected); g) hydrologic stru c hydrological requirements = er quality degradation = 7 (con noff); K) existing water quality	rary turbidity impacts. Indiv) water level indicators = 5 d) soil erosion or deposition tory = 7 (consistent with exp ess on vegetation = 7 (cons 7 (consistent with expected sistent with expected); j) dir	idual parameter scores: a) (altered hydroperiod due to to = 5 (some existing erosion bected); f) vegetation community istent with expected); h) use by b); i) vegetative species tolerant ect observation of water quality		
	nunity structure tion and/or Community with 0	compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spee density and quality of coars 7 (consistent with expected	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age	eter scores: a) plant commu spected, grouncover somew sance species); c) regenera & size distribution = 7 (typi nd cavity = 7 (consistent wit ses = 6 (silvicultural practice	hat lacking); b) invasive tion and recruitment = 7 cal of forested wetland); e) n expected); f) plant condition = is and access roads), h)		
Score = sum of ab uplands, div current or w/o pres	vide by 20) with	If preservation as mit Preservation adjustm Adjusted mitigation de	ent factor =	FL = delta	sessment areas a x acres = k 0.63 = 0.006		
0.63	0]					
		If mitigation		For mitigation a	ssessment areas		
Delta = [wi	th-current]	Time lag (t-factor) =		RFG = delta/(t-factor			
-0.63 Risk factor =					v riel() -		

Site/Project Name		Application Number	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-308A
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation Site? Assessment Are		
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.C	FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ forested uplands and	commercial devel	lopment, and conr	nects to	o other wetland system	S.
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cinn	plante sweetg etto. Th namon	ed loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative rarity in	relation to the
Junkyard, I	nterstate highway		Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment	Assessment Area Name or Number		
Gulf NFRC F	² hase 3			W-GOL-308A		
Impact or Mitigation		Assessment conducted by:	date:			
Impact (Cle	earing)	M. Harrington		4/16/2019		
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Minimal (4 Condition is less than		Not Present (0)		
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 maintain most wetland/surface waterfunctions	optimal, but sufficient to maintain most wetland/surface Minimal level of support of wetland/surface water functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	landscape support variable herbaceous community. Ind (situated between roadways and from outside = 2 (access distance or barriers = 5; e)	s/highways); b) Invasive exotic ss restricted by highway and fo Impacts to wildlife listed in Pa sment area = 6; g) Dependen	ss of contiguous forested Support to wildlife listed species = 5 (moderate encing); d) functions that rt 1 by outside land uses			
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 6 6	freshwater marsh, although water levels and flows = 7 (a road runoff); c) soil moisture from roadway, adjacent land zonation = 7 (consistent with animal species with specific of and associated with wate	appropriate for time of year; b e = 7 (consistent with expecte duses); e) evidence of fire his h expected); g) hydrologic stre c hydrological requirements = er quality degradation = 7 (con noff); K) existing water quality	rary turbidity impacts. In) water level indicators = d); d) soil erosion or dep tory = 7 (consistent with ess on vegetation = 7 (co 7 (consistent with expect sistent with expected); j)	rting forested system to a dividual parameter scores: a) 5 (altered hydroperiod due to to solution = 5 (some existing erosic expected); f) vegetation commu insistent with expected); h) use ed); i) vegetative species tolera direct observation of water qua th wave, wave energy, currents		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected)	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age	eter scores: a) plant com expected, grouncover som sance species); c) regene & size distribution = 7 (t ad cavity = 7 (consistent exes = 6 (silvicultural prac	ewhat lacking); b) invasive eration and recruitment = 7 ypical of forested wetland); e) with expected); f) plant condition ices and access roads), h)		
Score = sum of above scores/30 (if	If preservation as mitig	gation,		assessment areas		
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = d	elta x acres =		
pr w/o pres with	Adjusted mitigation de	elta =	0.17x0.075 = 0.013			
0.57						
0.57 0.4]					
0.57 0.4	If mitigation		For mitigation	assessment areas		
0.57 0.4 Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigation	n assessment areas		

Site/Project Name Application Number			ber Assessment Area Name or Number			or Number
Gulf NFRC Pha	se 3				W-GO	L-309B
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation Site? Assessment Are		
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ forested uplands and	commercial devel	opment, and conr	nects to	o other wetland system	S.
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi /eetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	plante sweetg etto. Th namon	ed loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative rarity in	relation to the
Interstate high	way and other roads		Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSO	y Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trao	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name			Application Number	Assessment A	Assessment Area Name or Number		
	Gulf NFRC I	Phase 3			W-GOL-309B		
Impact or Mitigation	1		Assessment conducted by:	Assessment da	ate:		
Impact (Clearing)			M. Harrington		4/16/2019		
Scoring Guidance Optimal (10)			Moderate(7)	Minimal (4)	Not Present (0)		
The scoring of e indicator is base what would be su for the type of weth surface water ass	ach d on itable and or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions Minimal level of support of wetland/surface water				
.500(6)(a) Loc Landscape w/o pres or current 4		landscape support variable herbaceous community. In (situated between roadway and from outside = 2 (acce distance or barriers = 5; e)	Impacts to wildlife listed in Pa ssment area = 6; g) Depender	ss of contiguous forested p Support to wildlife listed in c species = 5 (moderate Ly encing); d) functions that be rt 1 by outside land uses =	arcels and conversion to Part 1 by outside habitats = 2 godium); c) Wildlife access to enefit fish & wildlife downstream-		
.500(6)(b)Water (n/a for up w/o pres or current 6		freshwater marsh, although water levels and flows = 7 roadway); c) soil moisture = from roadway, adjacent lar zonation = 7 (consistent wi animal species with specifi of and associated with wate	th expected); g) hydrologic stru- c hydrological requirements = er quality degradation = 7 (con unoff); K) existing water quality	rary turbidity impacts. Indiv) water level indicators = 5 d) soil erosion or deposition tory = 7 (consistent with ex- ess on vegetation = 7 (consistent with expected 7 (consistent with expected); j) di	vidual parameter scores: a) (altered hydroperiod due to to n = 5 (some existing erosion bected); f) vegetation community istent with expected); h) use by); i) vegetative species tolerant rect observation of water quality		
.500(6)(c)Commu 1. Vegetatio 2. Benthic Co w/o pres or <u>current</u> 7	n and/or	compared to existing fores shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected	ted system. Individual parame 7 (generally consistent eith ex lant species = 8 (very little nuis cies somewhat lacking; d) age	eter scores: a) plant commu spected, grouncover somev sance species); c) regenera a & size distribution = 7 (typ nd cavity = 7 (consistent with ces = 6, h) topographic feat	/hat lacking); b) invasive tion and recruitment = 7 ical of forested wetland); e) h expected); f) plant condition =		
Score = sum of abov uplands, divic current pr w/o pres 0.57		If preservation as mit Preservation adjustm Adjusted mitigation d	nent factor =	FL = delt	sessment areas a x acres = 393 = 0.067		
Delta = [with	-current]	If mitigation Time lag (t-factor) =		For mitigation a	ssessment areas		
-0.17	-	Risk factor =		RFG = delta/(t-factor	v risk) =		

Site/Project Name			Application Number	A	Assessment Area Name or Number		
Gulf 1	NFRC Pha	ise 3				W-GOL-309B	
Impact or Mitigation			Assessment conducted by:	A	ssessment date	9:	
	mpact (Fill)	M. Harrington			4/16/2019	
Scoring Guidance		Optimal (10)	Moderate(7) Minimal (4)			Not Present (0)	
The scoring of each		Condition is optimal and	Condition is less than	.,,			
indicator is based on what would be suitable for the type of wetland or surface water assessed		fully supports wetland/surface water functions	maintain most wetland/surface			Condition is insufficient to provide wetland/surface water functions	
.500(6)(a) Location ar Landscape Support v/o pres or current 4	nd lai : he (s ar di: with ar	ndscape support variable erbaceous community. Ind ituated between roadways nd from outside = 2 (access stance or barriers = 5; e) I	mpacts to wildlife listed in Pa sment area = 6; g) Depender	ess of contigue Support to wi c species = 5 fencing); d) fur irt 1 by outside	ous forested par Idlife listed in Pa (moderate Lygo nctions that ben a land uses = 4;	cels and conversion to art 1 by outside habitats = 2 odium); c) Wildlife access to lefit fish & wildlife downstream-	
.500(6)(b)Water Environ (n/a for uplands) w/o pres or current 6	ment fre mont wa fro zc ar of with =	eshwater marsh, although ater levels and flows = 7 (a adway); c) soil moisture = om roadway, adjacent land onation = 7 (consistent with nimal species with specific and associated with wate	h expected); g) hydrologic stru- hydrological requirements = r quality degradation = 7 (con hoff); K) existing water quality	orary turbidity i b) water level i c) soil erosio tory = 7 (cons ess on vegeta 7 (consistent nsistent with es	mpacts. Individ ndicators = 5 (a n or deposition istent with expe- tion = 7 (consis with expected); j) dire	iual parameter scores: a) iltered hydroperiod due to to = 5 (some existing erosion ected); f) vegetation community itent with expected); h) use by i) vegetative species tolerant ct observation of water quality	
.500(6)(c)Community stru 1. Vegetation and/o 2. Benthic Communit v/o pres or <u>current</u> 7	Cl cc sh ir ex ty (re de 7	empared to existing foreste arub, or ground stratum = cotics or other invasive pla ecruitment of canopy spece ensity and quality of coarse (consistent with expected)	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis sies somewhat lacking; d) age	eter scores: a) xpected, groun sance species e & size distrib nd cavity = 7 (ces = 6, h) top	plant communi ncover somewh); c) regeneratio ution = 7 (typica consistent with	at lacking); b) invasive on and recruitment = 7 al of forested wetland); e) expected); f) plant condition =	
Score = sum of above scores		If preservation as mitig	gation,		For impact asse		
uplands, divide by 20) current		Preservation adjustme	ent factor =		FL = delta	x acres =	
or w/o pres	with	Adjusted mitigation de	elta =		FL: 0.005 ac. x	0.57 = 0.003	
0.57	0						
]	If mitigation		Fo	or mitigation as	sessment areas	
Delta = [with-current	:]	Time lag (t-factor) =		RFG =	delta/(t-factor x	risk) =	
-0.57		Risk factor =			•		

Site/Project Name Application Numb		Application Numbe	er Assessment Area Name or Number			or Number
Gulf NFRC Phase 3					W-3	09C
FLUCCs code	Further classifica	ation (optional)		Impact	t or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	DFW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hy	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	y forested uplands and	commercial devel	lopment, and conr	nects to	o other wetland system	S.
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.). among others.	, water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cin	plante sweetg etto. Th namon	ed loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)			
Interstate highway and other roads			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).	
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Ass	Assessment Area Name or Number		
Gulf NFRC I	Phase 3			W-309C		
Impact or Mitigation	Assessment conducted by:	Ass	Assessment date:			
Impact (Cle	earing)	M. Harrington			4/16/2019	
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minim	al (4)	Not Present (0)	
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 maintain most wetland/surface waterfunctions	Minimal level wetland/sur functi	face water	Condition is insufficie provide wetland/surface functions	
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	landscape support variable herbaceous community. Ind (situated between roadways and from outside = 2 (access distance or barriers = 5; e)	ociated with clearing the trans for wetland forests through los lividual parameter scores: a) /highways); b) Invasive exotic ss restricted by highway and for mpacts to wildlife listed in Par sment area = 6; g) Dependen s.	ss of contiguou Support to wildl species = 5 (n encing); d) func rt 1 by outside l	s forested par ife listed in Pa noderate Lygo tions that ben and uses = 4;	rcels and conversion to art 1 by outside habitats odium); c) Wildlife access tefit fish & wildlife downsi f) Hydrologically connect	s to tream- ted
.500(6)(b)Water Environment (n/a for uplands) w/o pres or <u>current</u> with 6 6	freshwater marsh, although water levels and flows = 7 (a roadway); c) soil moisture = from roadway, adjacent land zonation = 7 (consistent with animal species with specific of and associated with wate	porarily impact the water env silt fencing will reduce tempo appropriate for time of year; b 7 (consistent with expected); duses); e) evidence of fire hist h expected); g) hydrologic stre hydrological requirements = r quality degradation = 7 (con hoff); K) existing water quality	rary turbidity im) water level inc d) soil erosion tory = 7 (consis ess on vegetatio 7 (consistent wi sistent with exp	pacts. Individ licators = 5 (a or deposition tent with expe on = 7 (consis th expected); ected); j) dire	Jual parameter scores: a altered hydroperiod due t = 5 (some existing erosi ected); f) vegetation com stent with expected); h) u i) vegetative species tol ct observation of water c	o to on munity se by erant juality
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with	compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected)	rert the system to a freshwate ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age e woody debris, snag, den, ar y; g) land management practic c plant communities = 8 (very	eter scores: a) p spected, ground sance species); & size distribut nd cavity = 7 (co ses = 6, h) topog	lant communi cover somew c) regeneration ion = 7 (typication possistent with	ity species in the canopy that lacking); b) invasive on and recruitment = 7 al of forested wetland); e expected); f) plant condi	,) tion =
7 3						
7 3 Score = sum of above scores/30 (if	If preservation as miti	gation,	Fc	r impact asse	essment areas	
Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitig		Fc	r impact asse FL = delta		
Score = sum of above scores/30 (if uplands, divide by 20) current pr w/o pres with	•	ent factor =	Fc		x acres =	
Score = sum of above scores/30 (if uplands, divide by 20) current	Preservation adjustme	ent factor =	Fc	FL = delta	x acres =	
Score = sum of above scores/30 (if uplands, divide by 20) current pr w/o pres with	Preservation adjustme	ent factor =		FL = delta 0.17 x 0.65	x acres = 6 = 0.112	
Score = sum of above scores/30 (if uplands, divide by 20) current pr w/o pres with	Adjusted mitigation de	ent factor =		FL = delta 0.17 x 0.65	x acres =	

Site/Project Name			Application Number	Assessment A	rea Name or Number
Gulf NFRC Phase 3				W-309C	
Impact or Mitigation	Impact (Fill)	Assessment conducted by: M. Harrington	Assessment d	ate: 4/16/2019
	impact (· ···)	W. Harrington		4/10/2013
Scoring Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each indicator is based or what would be suitabl for the type of wetland surface water assessed	n le or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support o wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions
.500(6)(a) Locatio Landscape Sup w/o pres or current 4		landscape support variable herbaceous community. Inc (situated between roadways and from outside = 2 (acce distance or barriers = 5; e)	s/highways); b) Invasive exotic ss restricted by highway and f Impacts to wildlife listed in Pa ssment area = 6; g) Dependen	ss of contiguous forested p Support to wildlife listed in c species = 5 (moderate Ly encing); d) functions that b rt 1 by outside land uses =	
.500(6)(b)Water Env (n/a for upland w/o pres or current 6		freshwater marsh, although water levels and flows = 7 (roadway); c) soil moisture = from roadway, adjacent lan zonation = 7 (consistent wit animal species with specific of and associated with wate	 7 (consistent with expected); duses); e) evidence of fire his h expected); g) hydrologic strate c hydrological requirements = er quality degradation = 7 (connoff); K) existing water quality 	rary turbidity impacts. Indi- o) water level indicators = 5 (d) soil erosion or deposition tory = 7 (consistent with ex- ess on vegetation = 7 (consistent with expected 7 (consistent with expected); j) di-	vidual parameter scores: a) (altered hydroperiod due to to n = 5 (some existing erosion pected); f) vegetation community sistent with expected); h) use by l); i) vegetative species tolerant rect observation of water quality
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm w/o pres or current 7	nd/or	compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spee density and quality of coars 7 (consistent with expected	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age	eter scores: a) plant commu kpected, groundcover some sance species); c) regenera a & size distribution = 7 (typ nd cavity = 7 (consistent wi ces = 6, h) topographic feat	what lacking); b) invasive tition and recruitment = 7 ical of forested wetland); e) th expected); f) plant condition =
Score = sum of above sc uplands, divide by current	(20)	If preservation as mit Preservation adjustm	-	FL = delt	sessment areas a x acres =
or w/o pres 0.57	with 0	Adjusted mitigation de	elta =	FL: 0.005 ac	x 0.57 = 0.003
		If mitigation		For mitigation	ssessment areas
Delta = [with-cur	rent]	If mitigation Time lag (t-factor) =		For mitigation a	issessment areas

Site/Project Name Application Numb		er Assessment Area Name or Number		or Number		
Gulf NFRC Pha	se 3				W-GO	L-310A
FLUCCs code	Further classifica	ation (optional)		Impact	t or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	DFW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ silviculture and comm	ercial developme	nt, and connects to	o othei	r wetland systems.	
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cini	plante sweetg etto. Th namon	ed loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)			
Silvicultural operations, roadways			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and storag	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading birds, herpetofauna			Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessm	Assessment Area Name or Number		
Gulf NFRC	Phase 3			W-GOL-310A		
Impact or Mitigation		Assessment conducted by:	Assessm	Assessment date:		
Impact (C	learing)	M. Harrington		4/16/2019		
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 waterfunctions	Minimal level of sup wetland/surface w functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 6 4	landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 5	dividual parameter scores: a) sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limit (adjacent to highway); f) Hydro	ss of contiguous fores Support to wildlife list becies = 7 (minimal co oads); d) functions that ed by roads and ditch bologically connected a	buld reduce the location and sted parcels and conversion to ed in Part 1 by outside habitats = 6 byerage of Lygodium); c) Wildlife at benefit fish & wildlife downstream- ning; e) Impacts to wildlife listed in Para areas downstream of assessment area m areas somewhat dependent).		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 7 (roadway); c) soil moisture = from roadway, adjacent lan zonation = 7 (consistent wit animal species with specific of and associated with wate	appropriate for time of year; b 7 (consistent with expected); duses); e) evidence of fire his h expected); g) hydrologic stru- c hydrological requirements = er quality degradation = 7 (con noff); K) existing water quality	rary turbidity impacts.) water level indicator d) soil erosion or dep tory = 7 (consistent w ess on vegetation = 7 7 (consistent with exp sistent with expected)	nverting forested system to a Individual parameter scores: a) s = 7 (altered hydroperiod due to to position = 7 (some existing erosion ith expected); f) vegetation communit (consistent with expected); h) use by pected); i) vegetative species tolerant); j) direct observation of water quality depth wave, wave energy, currents		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	Clearing of canopy will conv compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected	rert the system to a freshwater marsh community with significant loss of functional ed system. Individual parameter scores: a) plant community species in the canop 7 (generally consistent eith expected, groundcover somewhat lacking); b) invasive ant species = 8 (very little nuisance species); c) regeneration and recruitment = 7 ties somewhat lacking; d) age & size distribution = 7 (typical of forested wetland); e woody debris, snag, den, and cavity = 7 (consistent with expected); f) plant cond b; g) land management practices = 6, h) topographic features = 7, ; i) siltation or al ic plant communities = 8 (very minor).				
Score = sum of above scores/30 (uplands, divide by 20) current pr w/o pres with	if If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =	<u> </u>	act assessment areas = delta x acres = x0.505 = 0.101		
0.67 0.4666	7					
Delta - fuith 1	If mitigation		For mitiga	tion assessment areas		
Delta = [with-current] -0.20	Time lag (t-factor) = 		RFG = delta/(t-	factor x risk) =		
-0.20						

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number			
	Gulf NFRC I	Phase 3			W-GOL-310A		
Impact or Mitigation			Assessment conducted by:	Assessment da			
impact of imitigation	Impact ((Fill)	M. Harrington		4/16/2019		
			g				
Scoring Guidan		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
The scoring of ea indicator is based what would be suit for the type of wetla surface water asse	on able nd or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions	f Condition is insufficient to provide wetland/surface wate functions		
.500(6)(a) Loca Landscape S w/o pres or current 6		landscape support variable herbaceous community. Ir (reduced by proximity of b access to and from outside distance or barriers = 7 (de 1 by outside land uses = 5	ownstream flow somewhat limi	oss of contiguous forested p Support to wildlife listed in pecies = 7 (minimal covera- roads); d) functions that ber ted by roads and ditching; e ologically connected areas	arcels and conversion to Part 1 by outside habitats = 6 ge of Lygodium); c) Wildlife efit fish & wildlife downstream-) Impacts to wildlife listed in Par downstream of assessment area		
.500(6)(b)Water E (n/a for upla w/o pres or <u>current</u> 7		freshwater marsh, althoug water levels and flows = 7 roadway); c) soil moisture from roadway, adjacent lau zonation = 7 (consistent w animal species with specif of and associated with wat	ith expected); g) hydrologic str ic hydrological requirements = ter quality degradation = 7 (cor unoff); K) existing water quality	by a provide the second state of the second st	vidual parameter scores: a) (altered hydroperiod due to to n = 7 (some existing erosion bected); f) vegetation communit istent with expected); h) use by); i) vegetative species tolerant rect observation of water quality		
.500(6)(c)Commun 1. Vegetation 2. Benthic Cor 2. V/o pres or <u>current</u> 7	and/or	compared to existing fores shrub, or ground stratum = exotics or other invasive p (recruitment of canopy spe density and quality of coar 7 (consistent with expecte	sted system. Individual parame = 7 (generally consistent eith ei lant species = 8 (very little nuis ecies somewhat lacking; d) age	eter scores: a) plant commu xpected, groundcover some sance species); c) regenera e & size distribution = 7 (typ nd cavity = 7 (consistent wil ces = 6, h) topographic feat	what lacking); b) invasive tion and recruitment = 7 cal of forested wetland); e) h expected); f) plant condition =		
Score = sum of above uplands, divide current or w/o pres 0.67		If preservation as mi Preservation adjustr Adjusted mitigation o	nent factor =	FL = delt	sessment areas a x acres = x 0.67 = 0.003		
1	1	If mitigation			and the second		
		1		For mitigation a			
Delta = [with-	current]	Time lag (t-factor) =			ssessment areas		

Site/Project Name Application Numb		Assessment Area Name or Number		or Number		
Gulf NFRC Pha	se 3				W-GC	DL-311
FLUCCs code	Further classifica	ation (optional)		Impact	t or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ silviculture and comm	ercial developme	nt, and connects t	o othe	r wetland systems.	
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	plante sweetg etto. Th namon	ed loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)			
Silvicultural operations, roadways			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSO	y Listed Species (List s C), type of use, and inte	
Wading birds, herpetofauna			Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment Are	Assessment Area Name or Number		
Gulf NFRC F	Phase 3			W-GOL-311		
Impact or Mitigation		Assessment conducted by:	Assessment da	te:		
Impact (Cle	earing)	M. Harrington		4/16/2019		
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 waterfunctions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 6 4	landscape support variable herbaceous community. Ind (reduced by proximity of bus access to and from outside distance or barriers = 7 (dow 1 by outside land uses = 5 (wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in F becies = 7 (minimal coverag bads); d) functions that bene ed by roads and ditching; e) blogically connected areas d	arcels and conversion to Part 1 by outside habitats = 6 e of Lygodium); c) Wildlife efit fish & wildlife downstream- Impacts to wildlife listed in Part ownstream of assessment area		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 7 (; roadway); c) soil moisture = from roadway, adjacent land zonation = 7 (consistent with animal species with specific of and associated with wate	h expected); g) hydrologic stru c hydrological requirements = er quality degradation = 7 (con noff); K) existing water quality	rary turbidity impacts. Indivi) water level indicators = 7 (d) soil erosion or depositior tory = 7 (consistent with exp ess on vegetation = 7 (consi 7 (consistent with expected) sistent with expected); j) dire	dual parameter scores: a) altered hydroperiod due to to a = 7 (some existing erosion ected); f) vegetation community stent with expected); h) use by ; i) vegetative species tolerant ect observation of water quality		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected)	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age	eter scores: a) plant commun spected, groundcover some sance species); c) regenerat & size distribution = 7 (typic and cavity = 7 (consistent with ses = 6, h) topographic featu	vhat lacking); b) invasive ion and recruitment = 7 cal of forested wetland); e) n expected); f) plant condition =		
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres 0.67	If preservation as mitin Preservation adjustme Adjusted mitigation de	ent factor =	For impact ass FL = delta 0.2x0.015	x acres =		
Dolto - [with aureant]	If mitigation		For mitigation as	sessment areas		
Delta = [with-current] -0.20	Time lag (t-factor) = Risk factor =		RFG = delta/(t-factor			

Site/Project Name		Application Number	r		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GC	DL-312
FLUCCs code	Further classifica	ation (optional)		Impact	t or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	FW, AP, other local/state/federa	al designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	Irologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	oforested uplands and	commercial devel	opment, and conr	nects to	o other wetland system	S.
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, t species including Virginia chain fer (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	th occurrences of hornbeam, and s ad bluestem palme oweyed grass, cini	plante sweetg etto. Th namon	ed loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			Uniqueness (co regional landsca		ing the relative rarity in	relation to the
Interstate highway, other roadways			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious	permit/other historic us	е
Wildlife habitat, wat	er treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Base that are representative of the asse to be found)				T, SSO	y Listed Species (List s C), type of use, and inte	
Wading birds, herpetofauna			Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Utili	ization (List species dire	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
This area is within an existing	Conservation Easemer	nt related to the H	ammock Creek C	omme	rce Center (Permit No.	. 20-0200305-001).
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

1			Application Number	Assessment A	rea Name or Number
Gulf NFRC Phase 3		^o hase 3			W-GOL-312
Impact or Mitigation			Assessment conducted by:	Assessment d	ate:
	Impact (Cle	ering)	M. Harrington		4/16/2019
Scoring Guidance The scoring of each	1	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)
indicator is based or what would be suitab for the type of wetland surface water assessed	n Ile I or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions
.500(6)(a) Locatic Landscape Sup w/o pres or current 6		landscape support variable herbaceous community. Ind (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 5	wnstream flow somewhat limit	ss of contiguous forested Support to wildlife listed in becies = 7 (minimal covera bads); d) functions that be ed by roads and ditching; bologically connected areas	parcels and conversion to Part 1 by outside habitats = 6 ge of Lygodium); c) Wildlife nefit fish & wildlife downstream- e) Impacts to wildlife listed in Part downstream of assessment area
.500(6)(b)Water Env (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 7 (roadway); c) soil moisture = from roadway, adjacent lan zonation = 7 (consistent wit animal species with specific of and associated with wate	7 (consistent with expected); nduses); e) evidence of fire his th expected); g) hydrologic stru- c hydrological requirements = er quality degradation = 7 (con unoff); K) existing water quality	rary turbidity impacts. Indi) water level indicators = 7 d) soil erosion or deposition tory = 7 (consistent with ex- ess on vegetation = 7 (con 7 (consistent with expected sistent with expected); j) d	vidual parameter scores: a) (altered hydroperiod due to to on = 7 (some existing erosion spected); f) vegetation community sistent with expected); h) use by d); i) vegetative species tolerant irect observation of water quality
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm w/o pres or current 7	nd/or	compared to existing forest shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected	ted system. Individual parame 7 (generally consistent eith ex lant species = 8 (very little nuis cies somewhat lacking; d) age	eter scores: a) plant comm spected, groundcover som ance species); c) regenera & size distribution = 7 (typ ad cavity = 7 (consistent w ses = 6, h) topographic fea	ewhat lacking); b) invasive ation and recruitment = 7 bical of forested wetland); e) th expected); f) plant condition =
 Vegetation at 2. Benthic Comm w/o pres or current 7 Score = sum of above so 	nd/or nunity with 3 cores/30 (if	compared to existing forest shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected growth in submerged aqua	ted system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management praction tic plant communities = 8 (very	eter scores: a) plant comm spected, groundcover som- sance species); c) regenera & size distribution = 7 (typ nd cavity = 7 (consistent w ses = 6, h) topographic fea / minor).	unity species in the canopy, ewhat lacking); b) invasive ation and recruitment = 7 bical of forested wetland); e) th expected); f) plant condition = tures = 7, ; i) siltation or algal
1. Vegetation au 2. Benthic Comm w/o pres or <u>current</u> 7	nd/or nunity with 3 cores/30 (if	compared to existing forest shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected growth in submerged aqua	ted system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management practic tic plant communities = 8 (very	eter scores: a) plant comm spected, groundcover som- sance species); c) regenera & size distribution = 7 (typ nd cavity = 7 (consistent w ses = 6, h) topographic fea / minor).	unity species in the canopy, ewhat lacking); b) invasive ation and recruitment = 7 bical of forested wetland); e) th expected); f) plant condition = tures = 7, ; i) siltation or algal
 Vegetation at 2. Benthic Comm W/o pres or current 7 Score = sum of above so uplands, divide by current pr w/o pres 	nd/or nunity 3 cores/30 (if y 20) with	compared to existing forest shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected growth in submerged aquai	ted system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management practic tic plant communities = 8 (very ligation, ment factor =	eter scores: a) plant comm spected, groundcover som sance species); c) regeners & size distribution = 7 (typ nd cavity = 7 (consistent w ses = 6, h) topographic fea minor).	unity species in the canopy, ewhat lacking); b) invasive ation and recruitment = 7 bical of forested wetland); e) th expected); f) plant condition = tures = 7, ; i) siltation or algal
 Vegetation ar Benthic Comm W/o pres or current 7 Score = sum of above so uplands, divide by current 	nd/or nunity 3 cores/30 (if y 20)	compared to existing forest shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected growth in submerged aquai	ted system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management practic tic plant communities = 8 (very ligation, ment factor =	eter scores: a) plant comm spected, groundcover som sance species); c) regeners & size distribution = 7 (typ nd cavity = 7 (consistent w ses = 6, h) topographic fea minor).	unity species in the canopy, ewhat lacking); b) invasive ation and recruitment = 7 bical of forested wetland); e) th expected); f) plant condition = tures = 7, ; i) siltation or algal
 Vegetation at 2. Benthic Comm W/o pres or current 7 Score = sum of above so uplands, divide by current or w/o pres 	nd/or nunity 3 cores/30 (if y 20) with	compared to existing forest shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected growth in submerged aquai	ted system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management practic tic plant communities = 8 (very ligation, ment factor =	eter scores: a) plant comm spected, groundcover som sance species); c) regeners & size distribution = 7 (typ nd cavity = 7 (consistent w ses = 6, h) topographic fea y minor).	unity species in the canopy, ewhat lacking); b) invasive ation and recruitment = 7 vical of forested wetland); e) th expected); f) plant condition = tures = 7, ; i) siltation or algal
 Vegetation at 2. Benthic Comm W/o pres or current 7 Score = sum of above so uplands, divide by current pr w/o pres 	nd/or nunity 3 cores/30 (if y 20) with 0.46667	compared to existing forest shrub, or ground stratum = exotics or other invasive pl (recruitment of canopy spe density and quality of coars 7 (consistent with expected growth in submerged aquai	ted system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age se woody debris, snag, den, ar d); g) land management practic tic plant communities = 8 (very ligation, ment factor =	eter scores: a) plant comm spected, groundcover som sance species); c) regeners & size distribution = 7 (typ nd cavity = 7 (consistent w ses = 6, h) topographic fea y minor).	unity species in the canopy, ewhat lacking); b) invasive ation and recruitment = 7 bical of forested wetland); e) th expected); f) plant condition = tures = 7, ; i) siltation or algal ssessment areas ta x acres = 6 = 0.155

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number		
Gulf NFRC I	Phase 3			W-GOL-312		
Impact or Mitigation		Assessment conducted by:	Assessment d	ate:		
Impact of Miligation	(Fill)	M. Harrington		4/16/2019		
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
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 maintain most wetland/surface waterfunctions	Minimal level of support of 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	landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 5 (sy roads; b) Invasive exotic s = 6 (reduced to proximity of n wnstream flow somewhat limit	ss of contiguous forested p Support to wildlife listed in pecies = 7 (minimal covera oads); d) functions that ber red by roads and ditching; e ologically connected areas	arcels and conversion to Part 1 by outside habitats = 6 ge of Lygodium); c) Wildlife lefit fish & wildlife downstream- t) Impacts to wildlife listed in Part downstream of assessment area		
.500(6)(b)Water Environment (n/a for uplands) v/o pres or <u>current</u> with 7	freshwater marsh, although water levels and flows = 7 (roadway); c) soil moisture = from roadway, adjacent land zonation = 7 (consistent wit animal species with specific of and associated with wate	7 (consistent with expected); duses); e) evidence of fire his h expected); g) hydrologic stre hydrological requirements = r quality degradation = 7 (con noff); K) existing water quality	rary turbidity impacts. Indi-) water level indicators = 7 d) soil erosion or deposition tory = 7 (consistent with ex- ess on vegetation = 7 (consistent with expected 7 (consistent with expected); j) di-	vidual parameter scores: a) (altered hydroperiod due to to		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community v/o pres or current with 7	compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected	ed system. Individual parame 7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age	eter scores: a) plant commu spected, groundcover some sance species); c) regenera a & size distribution = 7 (typ nd cavity = 7 (consistent wi ces = 6, h) topographic feat	what lacking); b) invasive tion and recruitment = 7 ical of forested wetland); e) h expected); f) plant condition =		
Score = sum of above scores/30 (if	If preservation as miti	gation,		sessment areas		
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = delt	a x acres =		
	Adjusted mitigation de	elta =	FL: 0.005 ac	x 0.67 = 0.003		
[
or w/o pres with 0.67 0						
	If mitigation		For mitigation a	ssessment areas		
	If mitigation Time lag (t-factor) =		For mitigation a	ssessment areas		
Site/Project Name		Application Numbe	er		Assessment Area Name	or Number
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Gulf NFRC Pha	se 3				W-GO	L-313A
FLUCCs code	Further classifica	ation (optional)		Impact	t or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	r forested uplands and	commercial devel	opment, and conr	nects to	o other wetland system	S.
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi /eetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	plante sweetg etto. Th namon	ed loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features		regional landsca		ing the relative rarity in	relation to the	
Interstate high		Not rare in relation to regional landscape				
Functions		Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and stora	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).	
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:				_		
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

1			Application Number	Assess	ment Area Name or Numb	er
G	Gulf NFRC F	Phase 3			W-GOL-313A	
Impact or Mitigation			Assessment conducted by:	Δοροο	ment date:	
	Impact (Cle	earing)	M. Harrington	A35033	4/16/2019	
<u> </u>			°			
Scoring Guidance The scoring of each	\square	Optimal (10)	Moderate(7) Condition is less than	Minimal (4) Not Prese	ent (0)
indicator is based or what would be suitab for the type of wetland surface water assess	n le I or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of su wetland/surface functions		surface wate
.500(6)(a) Locatic Landscape Sup w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	sociated with clearing the tran for wetland forests through lo dividual parameter scores: a) sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limi (adjacent to highway); f) Hydr nstream areas on assessmen	ss of contiguous for Support to wildlife li pecies = 8 (minimal oads); d) functions t ted by roads and dit ologically connected	ested parcels and convers sted in Part 1 by outside ha coverage of Lygodium); c) hat benefit fish & wildlife do ching; e) Impacts to wildlife areas downstream of asso	ion to abitats = 6 Wildlife ownstream- e listed in Par essment area
.500(6)(b)Water Env (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	nporarily impact the water env silt fencing will reduce tempor normal; b) water level indicate) soil erosion or deposition = ((normal); f) vegetation comm ation = 7; h) use by animal spe of and associated with water () existing water quality data =	parary turbidity impact ors = 8, (consistent to 6, (existing erosion f unity zonation = 7 (to becies with specific ho quality degradation	 Individual parameter sc vith expected); c) soil mois rom roadway, adjacent lan /pical for forested wetland) /drological requirements = = 7; j) direct observation of 	ores: a) ture = 7, duses); e) ; g) 7; i) water quality
.500(6)(c)Community 1. Vegetation a		compared to existing forest	vert the system to a freshwate	r marsh community		
2. Benthic Comm w/o pres or current 7		 c) regeneration and recruitr wetland); e) density and quasity 	7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, ; , h) topographic features = 7,	er invasive plant sp ected); d) age & size snag, den, and cavit	community species in the ecies = 7, (very little nuisar e distribution = 7, (typical o y = 6; f) plant condition = 8	canopy, nce species); f forested ,, ; g) land
w/o pres or current	with 3 cores/30 (if	c) regeneration and recruitr wetland); e) density and qui management practices = 6, communities = 8 very mino	7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, ; , h) topographic features = 7, r. igation, ent factor =	er invasive plant sp ected); d) age & size snag, den, and cavit ; i) siltation or algal g For im	community species in the ecies = 7, (very little nuisar e distribution = 7, (typical o y = 6; f) plant condition = 8	canopy, nce species); f forested ,, ; g) land
w/o pres or current 7 Score = sum of above so uplands, divide by current pr w/o pres	with 3 cores/30 (if y 20) with	c) regeneration and recruitr wetland); e) density and qua management practices = 6, communities = 8 very minor If preservation as miti Preservation adjustme	7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, ; , h) topographic features = 7, r. igation, ent factor =	er invasive plant sp ected); d) age & size snag, den, and cavit ; i) siltation or algal g For im F	community species in the ecies = 7, (very little nuisar e distribution = 7, (typical o y = 6; f) plant condition = 8 growth in submerged aquat	canopy, nce species); f forested ,, ; g) land
w/o pres or current 7 Score = sum of above so uplands, divide by current pr w/o pres	with 3 cores/30 (if y 20) with 0.5	c) regeneration and recruitr wetland); e) density and qua management practices = 6, communities = 8 very minor If preservation as miti Preservation adjustm Adjusted mitigation de	7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, ; , h) topographic features = 7, r. igation, ent factor =	er invasive plant sp ected); d) age & size snag, den, and cavit ; i) siltation or algal g For im F	community species in the ecies = 7, (very little nuisai e distribution = 7, (typical o y = 6; f) plant condition = 8 growth in submerged aquat	canopy, nce species); f forested ,, ; g) land

Site/Project Name		Application Numbe	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GC	DL-314
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	FW, AP, other local/state/federa	al designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ silviculture, and conne	ects to other wetla	nd systems.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cin	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features		Uniqueness (co regional landsca		ing the relative rarity in	relation to the	
Silvicultural operations, roadways			Not rare in relation to regional landscape			
Functions		Mitigation for pre	vious p	permit/other historic us	e	
Wildlife habitat, wa	ter treatment and stora	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).	
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number		Assessment Area	a Name or Number	
Gulf NFRC F	Phase 3				W-GOL-314	ĺ
Impact or Mitigation		Assessment conducted by:		Assessment date	2.	
Impact (Cle	earing)	M. Harrington	ĺ		4/16/2019	
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Min	imal (4)	Not Present (0)
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 maintain most wetland/surface waterfunctions	wetland/s	vel of support of surface water nctions	Condition is insuffic provide wetland/surfa functions	
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	landscape support variable herbaceous community. Ind (reduced by proximity of bus access to and from outside distance or barriers = 7 (dow 1 by outside land uses = 7 (in the provided and the transformation of transformation of the transformation of the transformation of tr	ess of contigu Support to w pecies = 8 (n oads); d) fun ted by roads ologically cor	ious forested par vildlife listed in Pa ninimal coverage ctions that benef and ditching; e) nnected areas do	cels and conversion to art 1 by outside habitat of Lygodium); c) Wild fit fish & wildlife downs Impacts to wildlife liste ownstream of assessm	ts = 6 llife tream- ed in Part ient area
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (r consistent with expected; d) evidence of fire history = 7 (hydrologic stress on vegeta vegetative species tolerant	nporarily impact the water envisit fencing will reduce tempor normal; b) water level indicate) soil erosion or deposition = 6 (normal); f) vegetation commu- tion = 7; h) use by animal spe of and associated with water) existing water quality data =	orary turbidity ors = 8, (cons 6, (existing el unity zonation ecies with spo quality degra	impacts. Individ sistent with expect rosion from road n = 7 (typical for ecific hydrologica dation = 7; j) dire	ual parameter scores: cted); c) soil moisture = way, adjacent landuse forested wetland); g) al requirements = 7; i) ect observation of wate	= 7́, s); e) er quality
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	compared to existing foreste shrub, or ground stratum = c) regeneration and recruitn wetland); e) density and qua	vert the system to a freshwate ed system. Individual parame 7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, s h) topographic features = 7,	eter scores: a ler invasive p ected); d) ag snag, den, ar	a) plant communi plant species = 7, e & size distribut nd cavity = 6; f) p	ity species in the cano , (very little nuisance s ion = 7, (typical of fore lant condition = 8, ; g)	py, pecies); ested land
Score = sum of above scores/30 (if	If preservation as mitig	gation,		For impact asse		
uplands, divide by 20) current	Preservation adjustme	ent factor =		FL = delta	x acres =	
or w/o pres with 0.70 0.5	Adjusted mitigation de	elta =		0.2x0.521	= 0.104	
	If mitigation		F	For mitigation ass	sessment areas	
Delta = [with-current]	Time lag (t-factor) =		RFG =	= delta/(t-factor x	risk) =	
-0.20	Risk factor =					

Site/Project Name		Application Number	Accosmont	Area Name or Number			
Site/Project Name		Application Number	Assessment				
Gulf NFRC	Phase 3			W-GOL-314			
Impact or Mitigation		Assessment conducted by:	Assessment	date:			
Impact	(Fill)	M. Harrington		4/16/2019			
			Ļ				
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)			
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 maintain most wetland/surface waterfunctions	Minimal level of suppor wetland/surface wate functions				
.500(6)(a) Location and Landscape Support w/o pres or current with 7 0	landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7 (sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limit	ss of contiguous forested Support to wildlife listed pecies = 8 (minimal cove oads); d) functions that b red by roads and ditching pologically connected area	I parcels and conversion to n Part 1 by outside habitats = 6 rage of Lygodium); c) Wildlife enefit fish & wildlife downstream- ; e) Impacts to wildlife listed in Part s downstream of assessment area			
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 0	water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = 7, consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses); e) evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of water quality data = N/A; I) water depth wave, wave energy, currents and ligh penetration = N/A.						
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 0	Clearing of canopy will conv compared to existing forest shrub, or ground stratum = c) regeneration and recruitn wetland); e) density and qua	y will convert the system to a freshwater marsh community with significant loss of functional ving forested system. Individual parameter scores: a) plant community species in the canopy, stratum = 7, ; b) invasive exotics or other invasive plant species = 7, (very little nuisance specied recruitment = 7, (consistent with expected); d) age & size distribution = 7, (typical of forestet y and quality of coarse woody debris, snag, den, and cavity = 6; f) plant condition = 8, ; g) lant stices = 6, h) topographic features = 7, ; i) siltation or algal growth in submerged aquatic plant very minor.					
Score = sum of above scores/30 (uplands, divide by 20) current or w/o pres with 0.70 0	if Preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =	FL = d	assessment areas elta x acres = ac. x 0.70 = 0.004			
	If mitigation			accomment areas			
Delta = [with-current]	Time lag (t-factor) =			assessment areas			
-0.70	Risk factor =		RFG = delta/(t-fac	tor x risk) =			
	_J [

Site/Project Name		Application Number	er	1	Assessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GC	DL-315
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630				E	xisting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.O	FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hy	drologic connection with	h wetlands, other	surface water, upl	lands		
Assessment area is surrounded by	y silviculture, and conne	ects to other wetla	ind systems.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.), water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetgr etto. Th namon	d loblolly pine along th um. The shrub stratum ae groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features		regional landsca		ng the relative rarity in	relation to the	
Silvicultural operations, roadways			Not rare in relation to regional landscape			
Functions		Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and stora	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	rds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).	
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

			Application Number	As	sessment Are	a Name or Number	
Ģ	Gulf NFRC F	Phase 3				W-GOL-315	
Impact or Mitigation			Assessment conducted by:	As	sessment date	e.	
	Impact (Cle	earing)	M. Harrington	710		4/16/2019	
Scoring Guidance The scoring of each		Optimal (10)	Moderate(7) Condition is less than	Minim	nal (4)	Not Present (0)
indicator is based or what would be suitab for the type of wetland surface water assess	n le I or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions		of support of rface water tions	Condition is insuffic provide wetland/surfa functions	
.500(6)(a) Locatic Landscape Sup w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	sociated with clearing the tran for wetland forests through lo dividual parameter scores: a sy roads; b) Invasive exotic s = 6 (reduced to proximity of wnstream flow somewhat lim (adjacent to highway); f) Hyd nstream areas on assessmen	oss of contiguou) Support to wild species = 8 (mir roads); d) functi ited by roads ar rologically conn	us forested par Ilife listed in Pa imal coverage ions that bene ind ditching; e) ected areas do	rcels and conversion to art 1 by outside habitat e of Lygodium); c) Wild fit fish & wildlife downs Impacts to wildlife liste pownstream of assessm	s = 6 life tream- d in Par ent area
.500(6)(b)Water Env (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	nporarily impact the water en silt fencing will reduce tempo normal; b) water level indicat) soil erosion or deposition = (normal); f) vegetation comm tion = 7; h) use by animal sp of and associated with water) existing water quality data =	orary turbidity in cors = 8, (consis 6, (existing eros nunity zonation = ecies with spec quality degrada	npacts. Individ tent with exper- sion from road = 7 (typical for ific hydrologica ation = 7; j) dire	dual parameter scores: cted); c) soil moisture = way, adjacent landuse forested wetland); g) al requirements = 7; i) ect observation of wate	= 7́, s); e) er quality
.500(6)(c)Community 1. Vegetation au 2. Benthic Comm w/o pres or current	nd/or	compared to existing forest shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qu	vert the system to a freshwat ed system. Individual param 7, ; b) invasive exotics or ot nent = 7, (consistent with exp ality of coarse woody debris, h) topographic features = 7, r.	eter scores: a) her invasive pla bected); d) age a snag, den, and	plant commun nt species = 7 & size distribut cavity = 6; f) p	ity species in the cano , (very little nuisance s tion = 7, (typical of fore plant condition = 8, ; g)	py, pecies) sted land
7	3						
	cores/30 (if	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =	F	or impact asse FL = delta 0.2x0.195		
7 Score = sum of above so uplands, divide by current	cores/30 (if y 20)	Preservation adjustm	ent factor =	F	FL = delta	x acres =	
7 Score = sum of above so uplands, divide by current pr w/o pres	cores/30 (if y 20) with	Preservation adjustm	ent factor =		FL = delta 0.2x0.195	x acres = = 0.039	
7 Score = sum of above so uplands, divide by current pr w/o pres	with	Preservation adjustm Adjusted mitigation de	ent factor =		FL = delta 0.2x0.195	x acres =	

Site/Project Name		Application Numbe	er	,	Assessment Area Name	or Number	
Gulf NFRC Pha	se 3				W-GC	DL-316	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.O	FW, AP, other local/state/federa	al designation of importance)	
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ silviculture, and conne	ects to other wetla	ind systems.				
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features		Uniqueness (co regional landsca		ing the relative rarity in	relation to the		
Silvicultural o		Not rare in relation to regional landscape					
Functions Mitigation for previo				vious p	us permit/other historic use		
Wildlife habitat, wa	ter treatment and storag	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings:	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name			Application Number	A	ssessment Are	a Name or Number	
G	Gulf NFRC F	Phase 3				W-GOL-316	
Impact or Mitigation			Assessment conducted by:	·· A	ssessment date	.	
	Impact (Cle	earing)	M. Harrington			4/16/2019	
<u> </u>							
Scoring Guidance The scoring of each		Optimal (10)	Moderate(7) Condition is less than	Mini	mal (4)	Not Present (0)
indicator is based or what would be suitab for the type of wetland surface water assessed	n le I or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	wetland/si	el of support of urface water ctions	Condition is insuffic provide wetland/surfac functions	
.500(6)(a) Locatio Landscape Sup w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	sociated with clearing the tran for wetland forests through I dividual parameter scores: a sy roads; b) Invasive exotic s = 6 (reduced to proximity of wnstream flow somewhat lim (adjacent to highway); f) Hyd nstream areas on assessme	loss of contigue a) Support to wil species = 8 (mi roads); d) func nited by roads a drologically conr	ous forested par dlife listed in Pa nimal coverage tions that benef nd ditching; e) nected areas do	rcels and conversion to art 1 by outside habitat e of Lygodium); c) Wild fit fish & wildlife downs Impacts to wildlife liste ownstream of assessm	s = 6 life tream- d in Par ent area
.500(6)(b)Water Env (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	nporarily impact the water en silt fencing will reduce temp normal; b) water level indica) soil erosion or deposition = (normal); f) vegetation comm ation = 7; h) use by animal sp of and associated with water () existing water quality data =	borary turbidity i tors = 8, (consi = 6, (existing erc nunity zonation pecies with spec r quality degrad	mpacts. Individ stent with exper- osion from road = 7 (typical for cific hydrologica lation = 7; j) dire	dual parameter scores: cted); c) soil moisture = way, adjacent landuse: forested wetland); g) al requirements = 7; i) ect observation of wate	= 7́, s); e) er quality
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm v/o pres or current 7	nd/or	compared to existing forest shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qu	vert the system to a freshwat ed system. Individual param 7, ; b) invasive exotics or ot nent = 7, (consistent with exp ality of coarse woody debris, h) topographic features = 7, r.	neter scores: a) ther invasive pla pected); d) age , snag, den, and	plant communi ant species = 7 & size distribut d cavity = 6; f) p	ity species in the canop , (very little nuisance s tion = 7, (typical of fore plant condition = 8, ; g)	oy, pecies) sted land
Score = sum of above so uplands, divide by current		If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		For impact asse FL = delta 0.2x0.191	x acres =	
or w/o pres				1			
or w/o pres 0.70	0.5						
· · ·	0.5	If mitigation					
· · ·				Fo	or mitigation ass	sessment areas	

Site/Project Name		Application Number	er	A	Assessment Area Name	or Number	
Gulf NFRC Pha	ise 3				W-GO	L-317B	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	xisting Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.OF	FW, AP, other local/state/federa	I designation of importance)	
Ochlockonee River							
Geographic relationship to and hy	drologic connection with	h wetlands, other	surface water, upl	lands			
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer er sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.). among others.), water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	^r planted sweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		ng the relative rarity in	relation to the	
Inters		Not rare in relation to regional landscape					
Functions			Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	rds, herpetofauna), little b	e by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

9			Application Number	Asses	sment Area	a Name or Number	
Ģ	Gulf NFRC F	Phase 3			Ň	N-GOL-317B	
Impact or Mitigation			Assessment conducted by:	Asses	sment date		
	Impact (Cle	earing)	M. Harrington	73505	Sment date	4/16/2019	
Scoring Guidance The scoring of each	\square	Optimal (10)	Moderate(7) Condition is less than	Minimal ((4)	Not Present (0)
indicator is based or what would be suitab for the type of wetland surface water assess	n le I or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of s wetland/surfac functions	e water	Condition is insuffic provide wetland/surfa functions	
.500(6)(a) Locatic Landscape Sup w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	sociated with clearing the trans for wetland forests through lo dividual parameter scores: a) sy roads; b) Invasive exotic sy = 6 (reduced to proximity of r wnstream flow somewhat limit (adjacent to highway); f) Hydro nstream areas on assessmen	ss of contiguous fo Support to wildlife becies = 8 (minima bads); d) functions ed by roads and d bologically connected	orested paro listed in Pa Il coverage that benefi itching; e) li ed areas doo	cels and conversion to rt 1 by outside habital of Lygodium); c) Wild t fish & wildlife downs mpacts to wildlife liste wnstream of assessm	ts = 6 llife tream- ed in Par ient area
.500(6)(b)Water Env (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	nporarily impact the water env silt fencing will reduce tempo normal; b) water level indicato) soil erosion or deposition = 6 (normal); f) vegetation commu- tion = 7; h) use by animal spe of and associated with water) existing water quality data =	rary turbidity impar ors = 8, (consistent 6, (existing erosion unity zonation = 7 (ecies with specific l quality degradatior	cts. Individe with expect from roadw typical for for hydrological n = 7; j) dire	ual parameter scores: ted); c) soil moisture vay, adjacent landuse orested wetland); g) I requirements = 7; i) ct observation of wate	= 7́, s); e) er quality
.500(6)(c)Community 1. Vegetation at 2. Benthic Comm		compared to existing forest	vert the system to a freshwate ed system. Individual parame	r marsh communit	y with cignif		
2. Benthic Comm w/o pres or current 7		 c) regeneration and recruit wetland); e) density and quasity 	7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, s h) topographic features = 7, ; r.	er invasive plant s ected); d) age & si snag, den, and cav	it communit pecies = 7, ze distributi ity = 6; f) pl	ty species in the cano (very little nuisance s on = 7, (typical of fore ant condition = 8, ; g)	py, pecies); ested land
w/o pres or current	with 3 cores/30 (if	c) regeneration and recruitr wetland); e) density and qua management practices = 6, communities = 8 very minor	nent = 7, (consistent with exp ality of coarse woody debris, s h) topographic features = 7, ; r. gation, ent factor =	er invasive plant s ected); d) age & si snag, den, and cav i) siltation or algal	t communit pecies = 7, ze distributi ity = 6; f) pl growth in s	ty species in the cano (very little nuisance s on = 7, (typical of fore ant condition = 8, ; g) submerged aquatic pla ssment areas	py, pecies); ested land
w/o pres or current 7 Score = sum of above so uplands, divide by current pr w/o pres	with 3 cores/30 (if y 20) with	c) regeneration and recruitr wetland); e) density and qua management practices = 6, communities = 8 very minor If preservation as miti Preservation adjustme	nent = 7, (consistent with exp ality of coarse woody debris, s h) topographic features = 7, ; r. gation, ent factor =	er invasive plant s ected); d) age & si snag, den, and cav i) siltation or algal	t communit pecies = 7, ze distributi ity = 6; f) pl growth in s npact asset FL = delta x 0.2x0.491 =	ty species in the cano (very little nuisance s on = 7, (typical of fore ant condition = 8, ; g) submerged aquatic pla ssment areas (acres = = 0.098	py, pecies); ested land
w/o pres or current 7 Score = sum of above so uplands, divide by current pr w/o pres	with 3 cores/30 (if y 20) with 0.5	c) regeneration and recruitr wetland); e) density and qua management practices = 6, communities = 8 very minor If preservation as miti Preservation adjustme Adjusted mitigation de	nent = 7, (consistent with exp ality of coarse woody debris, s h) topographic features = 7, ; r. gation, ent factor =	er invasive plant s ected); d) age & si snag, den, and cav i) siltation or algal	t communit pecies = 7, ze distributi ity = 6; f) pl growth in s npact asset FL = delta x 0.2x0.491 =	ty species in the cano (very little nuisance s on = 7, (typical of fore ant condition = 8, ; g) submerged aquatic pla ssment areas	py, pecies); ested land

Site/Project Name		Application Number	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-318B
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size
630					Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.0	DFW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	-		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	plante sweetg etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			Uniqueness (co regional landsca		ring the relative rarity in	relation to the
Interst		Not rare in relation to regional landscape				
Functions		Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and stora	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	ds, herpetofauna				ise by wading birds suc blue heron (SSC), sno tricolor heron (SSC).	
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as tra	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

The scoring of each indicator is based on what would be suitable for the type of wetland or wetland/su	Assessment cond M. Ha al (10) Moderated optimal and upports rface water tions waterfunction	7) Min s than cient to ost wetland/s ace fur	Assessment date imal (4) /el of support of	4/16/2019 Not Present (0	
Impact (Clearing) Scoring Guidance Optim The scoring of each indicator is based on what would be suitable for the type of wetland or Condition is fully su wetland/su	M. Ha al (10) Moderate optimal and upports rface water tions	7) Min s than cient to ost wetland/s ace fur	imal (4) /el of support of	4/16/2019 Not Present (0	
Impact (Clearing) Scoring Guidance Optim The scoring of each indicator is based on what would be suitable for the type of wetland or Condition is fully su wetland/su	M. Ha al (10) Moderate optimal and upports rface water tions	7) Min s than cient to ost wetland/s ace fur	imal (4) /el of support of	4/16/2019 Not Present (0)
Scoring Guidance Optim The scoring of each indicator is based on what would be suitable for the type of wetland or Condition is fully si wetland/su	optimal and upports rface water tions Condition is les optimal, but suff maintain m wetland/surf	s than cient to Minimal lev ost wetland/s ace fu	vel of support of	•)
The scoring of each indicator is based on what would be suitable for the type of wetland or	optimal and upports rface water tions Condition is les optimal, but suff maintain m wetland/surf	s than cient to Minimal lev ost wetland/s ace fu	vel of support of	•	1)
indicator is based on what would be suitable for the type of wetland or	optimal and upports rface water tions	cient to Minimal lev ost wetland/s ace fu		0 111 1 1 10 1	<u>,</u>
			nctions	Condition is insuffici provide wetland/surfac functions	
.500(6)(a) Location and landscape su Landscape Support herbaceous of (reduced by p access to and distance or ba current with 1 by outside l	by species associated with clearin poort variable for wetland forests ommunity. Individual parameter s roximity of busy roads; b) Invasiv I from outside = 6 (reduced to pro arriers = 7 (downstream flow some and uses = 7 (adjacent to highwa dency of downstream areas on a	hrough loss of contigu cores: a) Support to w e exotic species = 8 (n ximity of roads); d) fun what limited by roads /); f) Hydrologically cor	ious forested par vildlife listed in Pa ninimal coverage ictions that benef and ditching; e) I nnected areas do	cels and conversion to art 1 by outside habitate of Lygodium); c) Wildli fit fish & wildlife downst Impacts to wildlife listed ownstream of assessme	s = 6 ife ream- d in Part ent area
.500(6)(b)Water Environment (n/a for uplands) (n/a for uplands) (n	canopy will temporarily impact the arsh, although silt fencing will redu nd flows = 8 (normal; b) water lev h expected; d) soil erosion or dep re history = 7 (normal); f) vegetati ess on vegetation = 7; h) use by a ecies tolerant of and associated v road runoff. K) existing water qua N/A.	the temporary turbidity el indicators = 8, (cons osition = 6, (existing el on community zonation unimal species with spe vith water quality degra	impacts. Individ sistent with expect rosion from roady n = 7 (typical for f ecific hydrologica idation = 7; j) dire	lual parameter scores: cted); c) soil moisture = way, adjacent landuses forested wetland); g) al requirements = 7; i) ect observation of water	= 7́, s); e) r quality
1. Vegetation and/orcompared to shrub, or grou c) regeneration wetland); e) d management	inopy will convert the system to a existing forested system. Individu ind stratum = 7, ; b) invasive exo in and recruitment = 7, (consisten ensity and quality of coarse wood practices = 6, h) topographic feat = 8 very minor.	al parameter scores: a tics or other invasive p t with expected); d) ag y debris, snag, den, ar	a) plant communi blant species = 7, e & size distributi nd cavity = 6; f) p	ity species in the canop , (very little nuisance sp ion = 7, (typical of fores lant condition = 8, ; g) l	oy, becies); sted land
unlands divide by 20)	rvation as mitigation, ation adjustment factor =	7	For impact asse FL = delta >		
or w/o pres with Adjuste	d mitigation delta =		0.2x0.207	= 0.041	
If mitiga	tion				
	g (t-factor) =		For mitigation ass	sessment areas	
-0.20 Risk fac	tor =	RFG =	= delta/(t-factor x	risk) =	

Site/Project Name Application Nu			ber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	se 3				W-GO	L-319B	
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630					Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	al Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cin	plante sweetg etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Interstate highway			No	t rare	in relation to regional la	ndscape	
Functions			Mitigation for pre	vious	permit/other historic us	е	
Wildlife habitat, wa	ter treatment and stora	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name			Application Number	A	ssessment Are	a Name or Number	
G	Gulf NFRC F	^o hase 3				W-GOL-319B	
Impact or Mitigation			Assessment conducted by:	· 🛛	ssessment date		
	Impact (Cle	earing)	M. Harrington			4/16/2019	
Scoring Guidance The scoring of each	\square	Optimal (10)	Moderate(7) Condition is less than	Mini	mal (4)	Not Present (0)
indicator is based or what would be suitab for the type of wetland surface water assesse	n le I or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	nal, but sufficient to maintain most vetland/surface Minimal level of supp wetland/surface functions		Condition is insuffici provide wetland/surfac functions	
.500(6)(a) Locatio Landscape Sup w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	sociated with clearing the tran for wetland forests through I dividual parameter scores: a sy roads; b) Invasive exotic s = 6 (reduced to proximity of wnstream flow somewhat lim (adjacent to highway); f) Hyd nstream areas on assessmen	loss of contiguo a) Support to wi species = 8 (m roads); d) func hited by roads a trologically con	bus forested par Idlife listed in Pa inimal coverage tions that benef and ditching; e) nected areas do	rcels and conversion to art 1 by outside habitat of Lygodium); c) Wildl fit fish & wildlife downst Impacts to wildlife listed ownstream of assessme	s = 6 ife ream- d in Par ent area
.500(6)(b)Water Env (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	nporarily impact the water en silt fencing will reduce temp normal; b) water level indicat) soil erosion or deposition = (normal); f) vegetation comm tion = 7; h) use by animal sp of and associated with water c) existing water quality data =	orary turbidity i tors = 8, (consi 6, (existing ero nunity zonation becies with spe r quality degrad	impacts. Individ istent with exper- osion from road = 7 (typical for cific hydrologica dation = 7; j) dire	dual parameter scores: cted); c) soil moisture = way, adjacent landuses forested wetland); g) al requirements = 7; i) ect observation of wate	: 7́, s); e) r quality
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm v/o pres or current 7	nd/or	compared to existing forest shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qu	vert the system to a freshwat ed system. Individual param 7, ; b) invasive exotics or ot nent = 7, (consistent with exp ality of coarse woody debris, h) topographic features = 7, r.	neter scores: a) ther invasive pl pected); d) age snag, den, and) plant communi ant species = 7 & size distribut d cavity = 6; f) p	ity species in the canop , (very little nuisance sp tion = 7, (typical of fore plant condition = 8, ; g)	oy, becies) <u>;</u> sted land
Score = sum of above so uplands, divide by	ý 20)	Preservation adjustm	ent factor =		For impact asse FL = delta 0.2x0.114	x acres =	
current pr w/o pres 0.70	with 0.5	Adjusted mitigation de				0.020	
or w/o pres		Adjusted mitigation de			or mitiaction		
or w/o pres	0.5			F	or mitigation ass	sessment areas	

Site/Project Name		Application Number	hber Assessment Area Name or Number				
Gulf NFRC Pha	ase 3				W-GC	DL-320	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ssification (i.e.OFW, AP, other local/state/federal designation of importance)			
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.), water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Interstate highway			Not rare in relation to regional landscape				
Functions			Mitigation for pre	vious p	permit/other historic us	e	
Wildlife habitat, wa	ter treatment and stora	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte		
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name		Application Number	Assessn	Assessment Area Name or Number		
Gulf NFRC I	Phase 3			W-GOL-320		
Impact or Mitigation		Assessment conducted by:	nent date:			
Impact of Willigation Impact (Cle	earing)	M. Harrington	/0000311	4/16/2019		
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
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 maintain most wetland/surface waterfunctions	Minimal level of sup wetland/surface of functions	•		
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	lividual parameter scores: a) sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limit (adjacent to highway); f) Hydro	ss of contiguous fore Support to wildlife lis pecies = 8 (minimal c oads); d) functions th ted by roads and ditc ologically connected	rould reduce the location and sted parcels and conversion to ted in Part 1 by outside habitats = overage of Lygodium); c) Wildlife tat benefit fish & wildlife downstrea hing; e) Impacts to wildlife listed in areas downstream of assessment am areas somewhat dependent).	e am- n Part	
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	silt fencing will reduce tempo normal; b) water level indicato) soil erosion or deposition = 6 (normal); f) vegetation commu tion = 7; h) use by animal spe of and associated with water	prary turbidity impacts ors = 8, (consistent w 6, (existing erosion fro- unity zonation = 7 (typ ecies with specific hyp quality degradation =	onverting forested system to a . Individual parameter scores: a) ith expected); c) soil moisture = 7, om roadway, adjacent landuses); obical for forested wetland); g) drological requirements = 7; i) 7; j) direct observation of water q wave, wave energy, currents and	ć, e) quality	
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	compared to existing forest shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qua	ed system. Individual parame 7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, s h) topographic features = 7, ;	eter scores: a) plant c ler invasive plant spe ected); d) age & size snag, den, and cavity	with significant loss of functional vector community species in the canopy, cies = 7, (very little nuisance spect distribution = 7, (typical of foreste = 6; f) plant condition = 8, ; g) lan rowth in submerged aquatic plant	cies); ed nd	
Score = sum of above scores/30 (if	If preservation as miti	gation,		act assessment areas		
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL	= delta x acres =		
or w/o pres with	Adjusted mitigation de	elta =	0.	2x0.022 = 0.004		
5.0	J					
	If mitigation		For mitig	ation assessment areas		
Delta = [with-current]	Time lag (t-factor) =		RFG = delta//t	-factor x risk) =		
-0.20	Risk factor =					

Site/Project Name		Application Numbe	nber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	se 3				W-GO	L-321A	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	xisting Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ation (i.e.OFW, AP, other local/state/federal designation of importance)			
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetgr etto. Th namon	d loblolly pine along th um. The shrub stratum ae groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Interstate highway			No	ot rare i	n relation to regional la	ndscape	
Functions			Mitigation for pre	evious p	permit/other historic us	е	
Wildlife habitat, wa	ter treatment and storag	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte		
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name				Application Number	A	Assessment Area Name or Number		
	Gu	ulf NFRC F	Phase 3				W-GOL-321A	
Impact or	• Mitigation			Assessment conducted by:	: As	ssessment date	e:	
·	-	mpact (Cle	earing)	M. Harrington			4/16/2019	
Scoring Guidance Optimal (10)			Optimal (10)	Moderate(7)	Minir	nal (4)	Not Present (0)
indicate what wo for the ty	coring of each or is based on ould be suitable pe of wetland o water assesse	or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions			Condition is insuffic provide wetland/surfa functions	
	l(6)(a) Locatior Indscape Supp or		landscape support variable herbaceous community. In (reduced by proximity of bu outside = 7 (reduced to pro 7 (downstream flow somew uses = 7 (adjacent to high	sociated with clearing the tran for wetland forests through li- dividual parameter scores: a usy roads; b) Invasive exotic s oximity of roads); d) functions what limited by roads and ditcl way); f) Hydrologically connec- eam areas on assessment are	loss of contiguo a) Support to will species = 10 (no that benefit fish hing; e) Impacts cted areas dowr	us forested par dlife listed in Pa o coverage); c) n & wildlife dow s to wildlife liste nstream of asse	rcels and conversion to art 1 by outside habitat) Wildlife access to and instream-distance or ba ed in Part 1 by outside essment area = 9 (no b	ts = 7 d from arriers = land
()	(b)Water Envir n/a for uplands or		freshwater marsh, although water levels and flows = 8 consistent with expected; c from roadway, adjacent lar (consisten with expected; c requirements = 8; i) vegeta observed); j) direct observa	mporarily impact the water en n silt fencing will reduce temp (normal); b) water level indic d) soil erosion or deposition = iduses); e) evidence of fire hi g) hydrologic stress on vegeta ative species tolerant of and a ation of water quality = 8 (wat hergy, currents and light pene	orary turbidity in ators = 8 (consister) 7, (erosion dur istory = 8 (norm ation = 8; h) use associated with ter appears norr	mpacts. Individ istent with expe ing clearing, co al); f) vegetatio by animal spe water quality de	dual parameter scores: ected); c) soil moisture pupled with existing erc on community zonation ecies with specific hydr egradation = 9 (none	= 8, osion = 8 ological
1.	(c)Community Vegetation and Benthic Commu	d/or	compared to existing fores shrub, or ground stratum = c) regeneration and recruit quality of coarse woody de	vert the system to a freshwat ted system. Individual param 8, ; b) invasive exotics or ot ment = 8; d) age & size distril bris, snag, den, and cavity = 7, ; i) siltation or algal growth i	neter scores: a) ther invasive pla bution = 9, (typi 7; f) plant condi	plant commun ant species = 8 cal of forested ition = 4, ; g) la	ity species in the cano (very little nuisance sp wetland); e) density ar nd management practi	py, pecies); nd ices = 7,
	um of above sco lands, divide by s	20) with	If preservation as mit Preservation adjustm Adjusted mitigation d	nent factor =	F	For impact asse FL = delta 0.23 x 1.0		
or w/o pres		0.56667						
•		0.56667	If mitigation		-			
0.80	lta = [with-curre		If mitigation Time lag (t-factor) =		Fo	or mitigation as	sessment areas	

Site/Project Name		Application Numbe	nber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	se 3				W-GO	L-321B	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ation (i.e.OFW, AP, other local/state/federal designation of importance)			
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetgi etto. Th namon	d loblolly pine along th um. The shrub stratum ae groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Interstate highway			No	ot rare ii	n relation to regional la	Indscape	
Functions			Mitigation for pre	evious p	permit/other historic us	e	
Wildlife habitat, wa	ter treatment and storag	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte		
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Gulf NFRC F	Phase 3	Application Number		
	nuse e			W-GOL-321B
Impact or Mitigation	Impact or Mitigation			
Impact (Clearing)		Assessment conducted by: M. Harrington	Assessment da	4/16/2019
	anny)	M. Hannigton		4/10/2019
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 waterfunctions	Minimal level of support o wetland/surface water functions	f Condition is insufficient to provide wetland/surface water functions
Landscape Support	landscape support variable herbaceous community. Ind (reduced by proximity of bus outside = 7 (reduced to prov 7 (downstream flow somew uses = 7 (adjacent to highw.	kimity of roads); d) functions the timited by roads and ditchi	ss of contiguous forested p Support to wildlife listed in l becies = 10 (no coverage); hat benefit fish & wildlife do ing; e) Impacts to wildlife lis ed areas downstream of as	arcels and conversion to Part 1 by outside habitats = 7 c) Wildlife access to and from wnstream-distance or barriers = ted in Part 1 by outside land sessment area = 9 (no barriers);
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 8 6	freshwater marsh, although water levels and flows = 8 (consistent with expected; d) from roadway, adjacent land (consisten with expected; g) requirements = 8; i) vegetat observed); j) direct observa	ive species tolerant of and as	rary turbidity impacts. Indiv tors = 8 (consistent with exp 7, (erosion during clearing, o tory = 8 (normal); f) vegetat ion = 8; h) use by animal sp sociated with water quality r appears normal). K) existi	idual parameter scores: a) bected); c) soil moisture = 8, coupled with existing erosion ion community zonation = 8 becies with specific hydrological
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 8 3	compared to existing foreste shrub, or ground stratum = t c) regeneration and recruitm quality of coarse woody deb	ed system. Individual parame 8, ; b) invasive exotics or oth- nent = 8; d) age & size distribu	eter scores: a) plant commu er invasive plant species = ution = 9, (typical of forester ; f) plant condition = 4, ; g) l	8 (very little nuisance species); d wetland); e) density and and management practices = 7,
Score = sum of above scores/30 (if uplands, divide by 20) (if uplands, divide by 20) current (if uplands, divide by 20) or w/o pres with 0.80 0.50	If preservation as mitig Preservation adjustme Adjusted mitigation de	ent factor =	FL = delta	sessment areas a x acres = 99 = 0.480
	If mitigation		For mitigation a	ssessment areas
Delta = [with-current]	Time lag (t-factor) =			
-0.3 Risk factor =				

Gulf NFRC Phase 3 W-COL-321A Impact or Mitigation Impact (Fill) Assessment conducted by: M. Harrington Assessment date: 4/16/2019 Scoring Guidance Indicator is based on What would be suitable for the type of wetland or fully supports wetland/surface water functions Minimal (4) Not Present (0) Condition is optimal and fully supports wetland/surface water functions Condition is optimal and fully supports wetland/surface water functions Minimal (4) Not Present (0) Solog(h(a) Location and Landicape Support Loss of paropy species associated with floating the transmission line ROW would reduce the location and hardwape support surface water assessed Solog(h(a) Location and Landicape Support Loss of paropy species associated with relating the transmission line ROW would reduce the location and hardwape support surface water functions Loss of paropy species associated with relating the transmission line ROW would reduce the location and hardwape support Loss of paropy species associated with weight for weight of weight of weight of weight for weight of w	Site/Project Name		Application Number	Assessment	Area Name or Number
Impact of Miligation Assessment conducted by: Assessment date: Impact (Fill) M. Harrington 4/16/2019 Scoring Guidance The scoring of each indicator is based on what would be suitable to the type of weather assessed Condition is optimal and full support of the suitable of support of surface water indicator is based on wetand/surface water indicator is based on wetand/surface water indicator is based on wetand/surface water indicator is based on the suspective surface water is assessed Condition is optimal full support of the support of wetand/surface water indicator is based wetand/surface water indicator is based on wetand/surface water indicator is based wetand/surface water indicator is based wetand/surface water indicator is based on the support of wetand/surface water indicator is based wetand/surface water indicator is based indicator is based inditator is based indicator is based indicator is based indicator is		Phase 3			W-GOL-321A
Impact (Fill) M. Harrington 4/16/2019 Scoring Guidance The scoring of each indicator is based on what would be suitable for her type of weather assessed Optimal (10) Condition is less than maintain most waterfunctions Minimal (a) Not Present (0) Scoring Guidance The trip of weather assessed Condition is optimal and fully support of surface water indicator is based on waterfunctions Minimal ised of support of waterfunctions Condition is insufficient to maintain most waterfunctions Scoring Guidance surface water assessed Loss of cancy species associated wth clearing the transmission line ROW would reduce the location and landscape support variable for wetter dores through loss of contiguous forested parcels and coversite in the duced by proximity of buy roads i, diffunctions (with less of the subsect is and form outside = 7 (reduced to proximity of roads), diffunctions that benefit fish dwidtiff dostatis = 7 in course is an form outside = 7 (reduced to proximity of roads), diffunction with wetter mathing: e) impact to with the subsect is and form outside = 17 (reduced to proximity of roads), diffunction with wetter mathing: e) impact to withing entremants and o Scoring (b)(b)Water Environment (vla for uplands) Clearing the cancpy will temporarily impact the water environment variable, converting forested system to a frestwater math, although 311 francing will reduce temporary turbidity impacts. Individual parameter scores: a) form roadway, adjacent induces; el evidence of fire history = 6 (normal); (b) existing water quality deprodation = 9 (non- consitent with weater quality escience of the history = 6 (normal); (b) existing water quality deprodation = 6 (ono consi					
Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetlands: Optimal (10) Moderact(7) Minimal (4) Not Present (0) Condition is optimal and fully supports wetlandsurface water functions Condition is issufficient to wetlandsurface water functions Minimal level of support of wetlandsurface water functions 500(6)(b) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape support variable for wetland forsets through loss of contiguous forsetated previde wetlandsurface water functions Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape support wetland for states. wo pres or current (r/a for uplands) Loss of canopy species associated with clearing the transmission line ROW somewhat limited by roads; and number of roa		(=:!!)	5	Assessment	
The scoring of each indicator is based on what would be suitable to the type of wetland or surface water assessed Condition is insufficient to maintain most wetland/surface water functions Condition is insufficient to maintain most wetland/surface water functions Condition is insufficient to provide wetland/surface water functions .500(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the location and andscape support variable for wetland forests through loss of contiguous forested parcels and conversion to herbaceous community. Individual parameter scores: a) Support to would reduce the location and andscape support variable for wetland forests through loss of contiguous forested parcels and conversion to herbaceous community. Individual parameter scores: a) Support to would reduce the porximity of toasy of promotect and area software marks area = 9 (no barriers 7 (downstream flow somewhat limited by roads) and diching; c) impacts to wildle listed in Part 1 by outside a Info (would e 2 minimum) dividual parameter scores: a) Support to mainter area = 9 (no barriers 7 (downstream flow somewhat limited by roads) and diching; c) impacts to wildle downstream areas somewhat dependent). .500(6)(b)(Water Environment (n/a for uplands) Clearing the canopy will temporarity impact the water environment variable, converting forested system to a freshwater marks, allowaph all feologi will reduce temporary turbidity impact. Individual parameter scores: 9) Dependent with expected: () soll orosine version and associated with water quality degradation = 9 (none consistent with expected: () soll orosine version and associated with water quality degradation = 9 (none consistent with expected: () soll orosine version and associated with water quality degradation = 9 (none consistent with	Impact	(FIII)	M. Harrington		4/16/2019
indicator is based on full supports with would be suitable for the type of vertiand of surface water functions Condition is insufficient to wetland/surface water functions Minimal level of support of wetland/surface water functions Condition is insufficient to wetland/surface waterfunctions .500(6)(a) Location and Landscape support wo pres or current (n/a for uplands) Loss of canopy species associated with clearing the transmission line ROW would reduce the location and herbaceous community. Individual parameter scores: a) Support to widifie listed in Part 1 by outside habitals = 7 (reduced by proximity of busy rads); d) functions that benefit fish & widified isted in Part 1 by outside ind uses = 7 (adjacent to highway); f) Hydrologically connected areas downstream of assessment area = 9 (no barries rads); b) water level and flows = 8 (non sater with expected; d) soil erosion or deposition = 7, (erosion during cleaning, coupled with existing erosion in markaway, adjacent landways; b) wetler evel indicators = 8 (consistent with expected; g) hydrologic stress on vegetation = 8 (h) uses by animate process with equirement = 8; l) vegetative sec: sologian = 8 (normal; f) water flows = 8 (normal; b) water devel and water quality data = N/A; l) water devels and flows = 8 (normal; b) water evels to an association = 8 (normal; f) vegetation = 8 (h) water quality data = N/A; l) water devels and data = 1) vegetative expectes of parting and the secess plant (Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
S00(6)(a) Location and Landscape Support Iandscape support variable for wetland forests through loss of confugues for seted parcels and conversion to herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outside habitas = 7 (reduced by proximity of basy; b) Invasive exotic species = 1 (no coverage); c) Wildlife access to and form outside = 7 (reduced by proximity of basy; b) Invasive exotic species = 1 (downstream race = 9 (no barriers g) Dependency of downstream areas on assessment area = 7 (downstream areas as one dispective); b) Values = 7 (downstream areas as one seessment area = 7 (downstream areas as one seessment area = 9 (no barriers g) Dependency of downstream areas on assessment area = 7 (downstream areas as converting forested system to a freshwater marsh, although sitt fencing will reduce temporary turbidity impacts. Individual parameter scores: a) water levels and fows = 8 (normal; b) water level indicators = 8 (consistent with expected; c) soil mositure = 8, consistent with expected; c) soil mositure = 8, (n'a for uplands) w/o pres or current Clearing the canopy will temporarily impact the water apears normal). K) existing water quality degradation = 9 (nore observed); j) direct observation of water quality = 8 (water appears normal). K) existing water quality data = N/A; l) water depth wave, wave energy, currents and light penetration = N/A. Soore is a mithing of canopy will convert the system to a freshwater marsh community with significant loss of functional value compared to existing forested system. Individual parameter scores: a) plant community with significant loss of functional value compared to existing forested system. Individual parameter scores: a) plant community species in the canopy, shrub, or ground stratum = 8; (b) hypacy exists or other in vasive plant species = 8 (very little nuisance species) () regeneration an	indicator is based on what would be suitable for the type of wetland or	fully supports wetland/surface water	/ supports optimal and optimal, but sufficient to Minimal le wetland /surface water wetland/surface fu		provide wetland/surface water
.500(6)(b)/Water Environment (n/a for uplands) freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scores: a) water levels and flows = 8 (normal); b) water level indicators = 8 (consistent with expected); c) soil moisture = 8, consistent with expected; d) soil erosion or deposition = 7, (erosion during cleaning, coupled with existing erosion from roadway, adjacent landuses); e) evidence of fire history = 8 (normal); b) vegetation community zonation = 8 (consistent with expected; d) holdyologic stress on vegetation = 8, h) use by animal species with specific hydrologic requirements = 8; i) vegetative species tolerand of and associated with water quality degradation = 9 (none observed); j) direct observation of water quality = 8 (water appears normal). K) existing water quality data = N/A; i) water depth wave, wave energy, currents and light penetration = N/A. 1. Vegetation and/or 2. Benthic Community wo pres or current Clearing of canopy will convert the system to a freshwater marsh community with significant loss of functional value compared to existing forested system. Individual parameter scores: a) plant community species in the canopy, shrub, or ground stratum = 8; ; b) invasive exotics or other invasive plant species = 8 (very little nuisance species) () regeneration and recruitment = 8; d) age & size distribution = 9, (typical of forested wetland); e) density and quality of coarse woody debris, snag, den, and cavity = 7; f) plant community species in the canopy, shrub, or ground stratum = 8; i) age & size distribution = 4; (s) alord management practices = 7; () topographic features = 7, ; i) sittation or algal growth in submerged aquatic plant communities = 8 very minor. Score = sum of above scores/30 (if uplands, divide by 20) current If preservation as mitigation, Preservation adjustment factor = Adjusted mitigat	Landscape Support w/o pres or current with	landscape support variable herbaceous community. Inc (reduced by proximity of bu outside = 7 (reduced to pro 7 (downstream flow somew uses = 7 (adjacent to highw	for wetland forests through lo dividual parameter scores: a) sy roads; b) Invasive exotic s ximity of roads); d) functions t hat limited by roads and ditchi ray); f) Hydrologically connect	ss of contiguous forested Support to wildlife listed in becies = 10 (no coverage) hat benefit fish & wildlife of ng; e) Impacts to wildlife l ed areas downstream of a	parcels and conversion to n Part 1 by outside habitats = 7 ; c) Wildlife access to and from lownstream-distance or barriers = isted in Part 1 by outside land ssessment area = 9 (no barriers);
1. Vegetation and/or Clearing of canopy will convert the system to a freshwater marsh community with significant loss of functional value compared to existing forested system. Individual parameter scores: a) plant community species in the canopy, shrub, or ground stratum = 8, ; b) invasive exotics or other invasive plant species = 8 (very little nuisance species) c) regeneration and recruitment = 8; d) age & size distribution = 9, (typical of forested wetland); e) density and quality of coarse woody debris, snag, den, and cavity = 7; f) plant condition = 4, ; g) land management practices = 7, i) siltation or algal growth in submerged aquatic plant communities = 8 very minor. 8 0 Score = sum of above scores/30 (if uplands, divide by 20) current If preservation as mitigation, Preservation adjustment factor = Adjusted mitigation delta = 0.80 0 Delta = [with-current] If mitigation	(n/a for uplands) w/o pres or current with	freshwater marsh, although water levels and flows = 8 consistent with expected; d from roadway, adjacent land (consisten with expected; g requirements = 8; i) vegetat observed); j) direct observa	silt fencing will reduce tempo (normal); b) water level indica) soil erosion or deposition = 7 duses); e) evidence of fire his) hydrologic stress on vegetat tive species tolerant of and as titon of water quality = 8 (wate	rary turbidity impacts. Inc tors = 8 (consistent with e 7, (erosion during clearing tory = 8 (normal); f) veget ion = 8; h) use by animal sociated with water qualit r appears normal). K) exist	ividual parameter scores: a) xpected); c) soil moisture = 8, coupled with existing erosion ation community zonation = 8 species with specific hydrological y degradation = 9 (none
uplands, divide by 20) Preservation adjustment factor = current Preservation adjustment factor = br w/o pres with 0.80 0 If mitigation File addition assessment areas Delta = [with-current] Time lag (t-factor) =	1. Vegetation and/or 2. Benthic Community w/o pres or current with	compared to existing forest shrub, or ground stratum = c) regeneration and recruitr quality of coarse woody deb	ed system. Individual parame 8, ; b) invasive exotics or oth nent = 8; d) age & size distribu pris, snag, den, and cavity = 7	eter scores: a) plant comm er invasive plant species ution = 9, (typical of forest ; f) plant condition = 4, ; g	unity species in the canopy, = 8 (very little nuisance species); ed wetland); e) density and) land management practices = 7,
Delta = [with-current] Time lag (t-factor) = For mitigation assessment areas	uplands, divide by 20) current pr w/o pres with	Preservation adjustme	ent factor =	FL = de	lta x acres =
Delta = [with-current] Time lag (t-factor) =		If mitigation		For mitigation	assessment areas
	Delta = [with-current]	Time lag (t-factor) =			
-0.80 Risk factor = RFG = delta/(t-factor x risk) =	-0.80	Risk factor =		RFG = delta/(t-facto	or x risk) =

Site/Project Name Application Nu			ber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	se 3				W-GO	L-322B	
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630				I	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	pecial Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems				
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	plante sweetg etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Interstate highway			No	t rare	in relation to regional la	ndscape	
Functions			Mitigation for pre	vious	permit/other historic us	е	
Wildlife habitat, wa	ter treatment and stora	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name		Application Number	Assessment	Area Name or Number
Gulf NFRC F	Phase 3			W-GOL-322B
Impact or Mitigation	-	Assessment conducted by:	Assessment	
Impact of Willgation Impact (Cle	aring)	M. Harrington	Assessment	4/16/2019
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)
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 maintain most wetland/surface waterfunctions	Minimal level of support wetland/surface water functions	
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	landscape support variable herbaceous community. Inc (reduced by proximity of bus access to and from outside distance or barriers = 7 (doo 1 by outside land uses = 7 (sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limit	ss of contiguous forested Support to wildlife listed in pecies = 8 (minimal cover oads); d) functions that be red by roads and ditching; pologically connected areas	parcels and conversion to n Part 1 by outside habitats = 6 age of Lygodium); c) Wildlife enefit fish & wildlife downstream- e) Impacts to wildlife listed in Part s downstream of assessment area
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	(normal); f) vegetation commu tion = 7; h) use by animal spe of and associated with water	rary turbidity impacts. Incors = 8, (consistent with ex 6, (existing erosion from ro unity zonation = 7 (typical ecies with specific hydrolo quality degradation = 7; j)	lividual parameter scores: a) (pected); c) soil moisture = 7, padway, adjacent landuses); e) for forested wetland); g)
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	compared to existing forest shrub, or ground stratum = c) regeneration and recruitn wetland); e) density and qua	ed system. Individual parame 7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, s h) topographic features = 7, ;	eter scores: a) plant comm er invasive plant species ected); d) age & size distr snag, den, and cavity = 6;	= 7, (very little nuisance species); bution = 7, (typical of forested f) plant condition = 8, ; g) land
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.70 0.5	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =	FL = de	ssessment areas Ita x acres = 96 = 0.059
	If mitigation		For mitigation	assessment areas
Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigation	assessment areas

Site/Project Name	Application Numbe	ber Assessment Area Name or Numb			or Number		
Gulf NFRC Pha	se 3		W-GOL-323			DL-323	
FLUCCs code	Further classifica	ation (optional)		Impact	Impact or Mitigation Site? Assessment Area		
630	630			E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.). among others.	, water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features		regional landsca		ing the relative rarity in	relation to the		
Interstate highway			Not rare in relation to regional landscape				
Functions		Mitigation for pre	vious p	permit/other historic us	е		
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Impact or Mitigation Assessment conducted by: Assessment date:	umber	Assessment Area Name or Number		Application Number			ct Name	Site/Proje	
Impact or Mitigation Assessment conducted by: Assessment date:: Impact or Mitigation Impact (Clearing) Assessment conducted by: Assessment date:: Scoring Guidance The scoring of each Indicator is based on Indicator is based on Indicator is based on what would be suitable Condition is optimal and fully supports Condition is less than optimal, but sufficient to Minimal level of support of wetland/surface water Condition is maintain most wetland/surface Condition is less than optimal, but sufficient to Minimal level of support of wetland/surface Condition is less than optimal, but sufficient to Minimal level of support of wetland/surface Condition is less than optimal, but sufficient to Minimal level of support of wetland/surface Condition is less than optimal, but sufficient to Minimal level of support of wetland/surface water Condition is less than optimal, but sufficient to Minimal level of support of wetland/surface water Condition is less than optimal, but sufficient to Minimal level of support of wetland/surface water Condition is less than optimal, but sufficient to Minimal level of support of wetland/surface water Condition is less than optimal, but sufficient to Condition is optimal and provide water Condition is optimal	3	W-GOL-323			Phase 3	If NFRC Phas	Gu		
Impact (Clearing) M. Harrington 4/16/2015 Scoring Guidance The scoring of each indicator is based on surface water assessed Optimal (10) Moderate(7) Minimal (4) Not wetland/surface for the type of wetland or surface water assessed Condition is optimal and fully supports functions Condition is less than optimal, but sufficient to maintain most wetland/surface Minimal level of support of wetland/surface Condition wetland/surface 500(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the loc indicape support variable for wetland for sets through loss of contiguous forested parcels and co herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outs (reduced by proximity of busy roads; b) Invasive exotic species = 8 (minimal coverage of Lygodui access to and from outside for wetland of proximity of roads); d) functions that benefit find & Wit distance or barries = 7 (downstream flow somewhat limited by roads); d) functions that benefit find & Wit distance or barries = 7 (downstream flow somewhat limited by roads); d) functions that benefit find & Wit is outside land uses = 7 (adjacent to highway); fl Hydrologically connected areas downstream (n'a for uplands) Clearing the canopy will temporarily impact the water environment variable. converting forested sy consistent with expected; d) soil crosion or deposition = 0, (existing crosion from roadwy, adjace outsitent with expected; d) soil crosion or deposition = 0, (existing crosion from roadwy, adjace outsitent of fre sitory = 7, (normal; f) ty water tevel indicators = 8, (consistent with expected; c), c) soi consistent with expec			d by:	Assessment conducte			_	Impact or	
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water functions Condition is less than offully supports wetland/surface water maintain most wetland/surface water functions Minimal level of support of wetland/surface water functions Condition is less than offully supports wetland/surface water functions .500(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the loc. Indicate of the support variable for wetland forests through loss of contiguous forested parcels and co herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outs (reduced by proximity of busy roads; b) Invasive exotic species = 8 (minimal coverage of Lygodiu access to and from outside = 6 (reduced to proximity of roads); d) trydorods and dichning; e) Impacts to v 1 by outside land user 7 (adjacent holighway); h) Hydrologically connected areas downstream for somewhat limited by coreads and dichning; e) Impacts to v 1 by outside land user 7 (adjacent holighway); h) water level indicators = 6 (cownistream areas somewhat limited by color logically connected areas downstream areas somewhat limited by color logically connected areas downstream areas on assessment area = 6 (downstream areas somewhat limited by color logically connected areas downstream areas on assessment area = 6 (downstream areas somewhat limited by color logically connected areas downstream areas on assessment area = 6 (cownsitter with expected; c) soil consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjace evidence of fire history = 7 (normal); f) weet revel indicators = 8 (consitted in dues or community analose, existing forested system. Individual parameter scores: a) plant community species = 5, 000(6)(c)Community structure		4/16/2019	,		earing)	npact (Clearin	-	impact of	
The scoring of each indicator is based on what would be suitable within (actor is based on what would be suitable for the type of wetland or surface water functions Condition is less than on maintain most wetland/surface water functions Minimal level of support of wetland/surface water functions Condition is less than on maintain most wetland/surface water functions 5.500(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the loc in herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outs (reduced by proximity of busy roads; b) Invasive exoits species = 8 (minimal coverage of Lygodiu access to and from outside = 6 (reduced to proximity of roads); d) roads; and dichning; e) Impacts to u 1 by outside land uses = 7 (adjacent holghway); Hydrologically connected areas downstream for somewhat limited by proads and dichning; e) Impacts to u 1 by outside land uses = 7 (adjacent holghway); Hydrologically connected areas downstream exa = 6 (cownstream areas on assessment area = 6 (downstream areas somewhat limited by cleaker marsh, although silt fencing will reduce temporary turbidiy impacts. Individual parameter scores: a) consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjace evidence of fire history = 7 (normal); f) weelt evel indicators = 6. (consistent with expected; c) soil consistent with expected; d) soil erosion or deposition = 6, (existing erosion form roadway, adjace evidence of fire history = 7 (normal); f) weelt avel indicators = 6. (consistent with expected; c) soil consistent with expected; c) soil erosion or deposition = 6, (existing erosion from roadway, adjace evidence of fire history = 7 (normal); f) weelt avel indicators = 6. (consistent with expected; c) soil consistent with expected; c) soil erosion or deposition = 6, (· 、			
indicator is based on what would be suitable for the type of wetland or surface water assessed Condition is optimal and full supports optimal, but sufficient to wetland/surface water/unctions Minimal level of support of wetland/surface water functions Condition is wetland/surface water/unctions .500(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the loc: indicator is based on therbaceous community. Individual parameter scores: a) Support to withing listed in Para (reduced by proximity of busy roads; b) Invasive exotic species = 8 (minimal coverage of Lygodiu access to and from outside = 6 (reduced to proximity of roads); d) functions that benefit fish & with distance or barries = 7 (downstream marker scores; a) Support to withing listed in Para (reduced by proximity of busy roads; b) Invasive exotic species = 8 (minimal coverage of Lygodiu access to and from outside = 6 (reduced to proximity of roads); d) functions that benefit fish & with distance or barries = 7 (downstream areas on assessment area = 6 (downstream areas somewhat = 7; g) Dependency of downstream areas on assessment area = 6 (downstream areas somewhat greshwater marsh, atthough silt fencing will reduce temporary turbidiy impacts. Individual paramet water levels and flows = 8 (normal; h) water level indicators = 8, (consistent with expected; c) soil consistent with expected; c) soil corson or deposition or deposition form roadway, adjace evidence of fire history = 7 (normal; h) use by animal species with specific hydrological for forested way, agace sitting forested system. Individual parameter scores; a) plant community wet, species road evidence of fire history = 7 (normal; h) use by animal species with specific hydrological for forested way especific hydrological for forested way especita hydrological for forested way especific hy	Present (0)	nimal (4) Not Present	an		Optimal (10)	\neg			
.500(6)(a) Location and Landscape Support Iandscape support variable for wetland forests through loss of contiguous forested parcels and co- herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outs (reduced by proximity of busy roads; b) Invasive exotic species = 8 (minimal coverage of Lygodiu access to and from outside = 6 (reduced to proximity of roads); d) functions that benefit fish & wild distance or barriers = 7 (downstream flow somewhat limited by roads and ditching; e) Impacts to v 1 by outside land uses = 7 (adjacent to highway); f) Hydrologically connected areas downstream or 1 by outside land uses = 7 (adjacent to highway); f) Hydrologically connected areas downstream or 1 by outside land uses = 7 (adjacent to highway); f) Hydrologically connected areas downstream or 1 by outside land uses = 7 (adjacent to highway); f) Hydrologically connected areas downstream or 1 by outside land uses = 7 (mormal); by water level indicators = 8 (consistent with expected; c); o) soi consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjace evidence of fire history = 7 (normal); by water level indicators = 8, (consistent with expected; c); or current with 7 7 7 7 vio pres or current with 7 7 7 1. Vegetation and/or 2. Benthic Community wor pres or current Clearing of canopy will convert the system to a freshwater marsh community with significant loss of compared to existing forested system. Individual parameter scores: a) plant community species = 7, (very litter 0; regeneration and recruitment = 7, (consistent with expected); d) age & size distribution = 7, (very evidence of and runoff. K) existing water quality data = N/A; 1) water depth wave, wave energy, wetuand); e) density and quality of coarse woody debris, snag, den, and cavrity = 6, f) plant conditi management practices = 6, h) topograp	and/surface wate	/surface water provide wetland/surf	d optimal, but sufficient to maintain most wetland/surface fu		fully supports wetland/surface water	indicator is based on what would be suitable for the type of wetland or		indicato what wo for the typ	
.500(6)(b)Water Environment (n/a for uplands) freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parame water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjace evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested we hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requireme vegetative species tolerant of and associated with water quality degradation = 7; j) direct observat e 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, penetration = N/A. 7 7 .500(6)(c)Community structure Clearing of canopy will convert the system to a freshwater marsh community with significant loss of compared to existing forested system. Individual parameter scores: a) plant community species i shrub, or ground stratum = 7,; b) invasive exotics or other invasive plant species = 7, (very little c) regeneration and recruitment = 7, (consistent with expected); d) age & size distribution = 7, (typ wetland); e) density and quality of coarse woody debris, snag, den, and cavity = 6; f) plant condition management practices = 6, h) topographic features = 7, ; i) siltation or algal growth in submerged communities = 8 very minor. Score = sum of above scores/30 (if uplands, divide by 20) If preservation as mitigation, Preservation adjustment factor = For impact assessment are FL = delta x acres =	nversion to de habitats = 6 n); c) Wildlife life downstream- ildlife listed in Pa f assessment are	uous forested parcels and conversion wildlife listed in Part 1 by outside habita minimal coverage of Lygodium); c) Wil nctions that benefit fish & wildlife down and ditching; e) Impacts to wildlife list ponnected areas downstream of assess	ugh loss of c es: a) Suppo cotic species ity of roads); at limited by) Hydrologica	for wetland forests throo lividual parameter score sy roads; b) Invasive ex = 6 (reduced to proxim wnstream flow somewh (adjacent to highway); f	.500(6)(a) Location and Landscape Support w/o pres or current .500(6)(a) Location and Landscape Support with Landscape Support (reduced by proximity of busy access to and from outside = distance or barriers = 7 (down 1 by outside land uses = 7 (a) Dependency of downs				
1. Vegetation and/or Clearing of canopy will convert the system to a freshwater marsh community with significant loss of compared to existing forested system. Individual parameter scores: a) plant community species is shrub, or ground stratum = 7, ; b) invasive exotics or other invasive plant species = 7, (very little c) regeneration and recruitment = 7, (consistent with expected); d) age & size distribution = 7, (type welland); e) density and quality of coarse woody debris, snag, den, and cavity = 6; f) plant condition management practices = 6, h) topographic features = 7, ; i) siltation or algal growth in submerged communities = 8 very minor. Score = sum of above scores/30 (if uplands, divide by 20) If preservation as mitigation, Preservation adjustment factor =	er scores: a) moisture = 7, it landuses); e) land); g) nts = 7; i) on of water qualit	 water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = 7 (consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses); evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of water of e, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, currents and penetration = N/A. 							
uplands, divide by 20) FL = delta x acres =	the canopy, uisance species) cal of forested n = 8, ; g) land	a) plant community species in the camplant species = 7, (very little nuisance ge & size distribution = 7, (typical of for and cavity = 6; f) plant condition = 8, ; g	arameter sco or other inva th expected); ebris, snag, d	ed system. Individual p 7, ; b) invasive exotics nent = 7, (consistent wi ality of coarse woody de h) topographic features	.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with Clearing of canopy will conv compared to existing foreste shrub, or ground stratum = c) regeneration and recruitm wetland); e) density and qua management practices = 6, communities = 8 very minor				
or w/o pres with 0.70 0.5 Adjusted mitigation delta = 0.2x0.099 = 0.020	15			ent factor =	Preservation adjustme	with	ands, divide by 2	upl current or w/o pres	
If mitigation			ן ר		If mitigation				
Delta = [with-current] Time lag (t-factor) = For mitigation assessment ar	eas	For mitigation assessment areas				ent]	a = [with-curre	Del	
-0.20 Risk factor = RFG = delta/(t-factor x risk) =		= delta/(t-factor x risk) =			Risk factor =		-0.20		

Site/Project Name	Application Numbe	ber Assessment Area Name or Num			or Number		
Gulf NFRC Pha	se 3		W-GOL-324			DL-324	
FLUCCs code	Further classifica	ation (optional)		Impact	Impact or Mitigation Site? Assessment Area		
630	630			E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.). among others.	, water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features		regional landsca		ing the relative rarity in	relation to the		
Interstate highway			Not rare in relation to regional landscape				
Functions		Mitigation for pre	vious p	permit/other historic us	e		
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name				Application Number	ŀ	Assessment Area Name or Number		
	Gu	ulf NFRC F	^o hase 3			W-GOL-324		
Impact or	Mitigation			Assessment conducted by: Assessme			essment date:	
inipact of	-	mpact (Cle	earing)	M. Harrington			4/16/2019	
				-				
	ng Guidance oring of each	\square	Optimal (10)	Moderate(7) Condition is less than	Mini	imal (4)	Not Present (0)
indicato what wou for the typ	indicator is based on		Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	wetland/s	el of support of surface water actions	Condition is insuffic provide wetland/surfa functions	
	(6)(a) Locatior ndscape Supp r		landscape support variable herbaceous community. In (reduced by proximity of bu access to and from outside distance or barriers = 7 (dc 1 by outside land uses = 7	sociated with clearing the trai e for wetland forests through I dividual parameter scores: a usy roads; b) Invasive exotic e = 6 (reduced to proximity of winstream flow somewhat lim (adjacent to highway); f) Hyd instream areas on assessme	loss of contigur a) Support to w species = 8 (m roads); d) fund nited by roads a drologically con	ous forested par ildlife listed in Pa inimal coverage ctions that bene and ditching; e) nected areas do	cels and conversion to art 1 by outside habitat e of Lygodium); c) Wild fit fish & wildlife downs Impacts to wildlife liste ownstream of assessm	ts = 6 llife tream- ed in Par ient area
 .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scores: a water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses) evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of water = 6, receives road runoff. K) existing water quality data = N/A; I) water depth wave, wave energy, currents and penetration = N/A. 						= 7́, s); e) er quality		
 .500(6)(c)Community structure Clearing of canopy will conv compared to existing foreste shrub, or ground stratum = 1 c) regeneration and recruitm wetland); e) density and quarties 				vert the system to a freshwat ted system. Individual param 7, ; b) invasive exotics or ot ment = 7, (consistent with ex tality of coarse woody debris, , h) topographic features = 7, or.	neter scores: a ther invasive p pected); d) age , snag, den, an) plant communi lant species = 7 e & size distribut d cavity = 6; f) p	ity species in the canor , (very little nuisance s ion = 7, (typical of fore plant condition = 8, ; g)	py, pecies) ested land
	um of above sco		If preservation as mit	igation,		For impact asse		
upla current	ands, divide by	∠∪)	Preservation adjustm	ent factor =		FL = delta	x acres =	
	5	with	Adjusted mitigation d	elta =		0.2x0.107	= 0.021	
or w/o pres								
or w/o pres 0.70		0.5	1					
		0.5	If mitigation		F	or mitigation as	sessment areas	
0.70	ta = [with-curr		If mitigation Time lag (t-factor) =			or mitigation as		

Site/Project Name	Application Number	ber Assessment Area Name or Numb			or Number		
Gulf NFRC Pha	ase 3		W-GOL-325B			L-325B	
FLUCCs code	Further classifica	ation (optional)		Impact	Impact or Mitigation Site? Assessment Are		
630	630			E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hy	drologic connection with	h wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems				
Assessment area description The canopy stratum in the outer er sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.). among others.), water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ises of a variety of e vine, and shield ferns	
Significant nearby features		regional landsca		ing the relative rarity in	relation to the		
Interstate highway			Not rare in relation to regional landscape				
Functions		Mitigation for pre	vious p	permit/other historic us	е		
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	rds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

			Application Number	Assessment A	Assessment Area Name or Number		
Ģ	Gulf NFRC F	² hase 3			W-GOL-325B		
Impact or Mitigation			Assessment conducted by:	Assessment of			
	Impact (Cle	earing)	M. Harrington	Assessment	4/16/2019		
<u> </u>							
Scoring Guidance The scoring of each	\square	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is based on		Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support wetland/surface water functions			
.500(6)(a) Locatic Landscape Sup w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	isy roads; b) Invasive exotic s = 6 (reduced to proximity of n wnstream flow somewhat limit	ss of contiguous forested Support to wildlife listed ir becies = 8 (minimal covera bads); d) functions that be ed by roads and ditching; blogically connected areas	parcels and conversion to a Part 1 by outside habitats = 6 age of Lygodium); c) Wildlife nefit fish & wildlife downstream- e) Impacts to wildlife listed in Par a downstream of assessment area		
.500(6)(b)Water Environment (n/a for uplands)Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scores: a water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = 7 consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses); evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of water of e = 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, currents and penetration = N/A.							
.500(6)(c)Community	/ structure	0	wart the system to a freshwate				
1. Vegetation au 2. Benthic Comm w/o pres or current 7		shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qu	ted system. Individual parame 7, ; b) invasive exotics or oth ment = 7, (consistent with exp ality of coarse woody debris, s , h) topographic features = 7, ;	eter scores: a) plant comm er invasive plant species ected); d) age & size distri snag, den, and cavity = 6;	= 7, (very little nuisance species) bution = 7, (typical of forested f) plant condition = 8, ; g) land		
2. Benthic Comr w/o pres or current	with 3 cores/30 (if	shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qu management practices = 6, communities = 8 very mino	ted system. Individual parame 7, ; b) invasive exotics or oth ment = 7, (consistent with exp ality of coarse woody debris, s , h) topographic features = 7, ; r. igation, ent factor =	eter scores: a) plant commer er invasive plant species = ected); d) age & size distri snag, den, and cavity = 6; i) siltation or algal growth	unity species in the canopy, = 7, (very little nuisance species), bution = 7, (typical of forested f) plant condition = 8, ; g) land		
2. Benthic Comm w/o pres or current 7 Score = sum of above so uplands, divide by current pr w/o pres	with 3 cores/30 (if y 20) with	shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qui management practices = 6, communities = 8 very minor If preservation as miti Preservation adjustm	ted system. Individual parame 7, ; b) invasive exotics or oth ment = 7, (consistent with exp ality of coarse woody debris, s , h) topographic features = 7, ; r. igation, ent factor =	eter scores: a) plant commer invasive plant species sected); d) age & size distristing, den, and cavity = 6; i) siltation or algal growth	unity species in the canopy, = 7, (very little nuisance species); bution = 7, (typical of forested f) plant condition = 8, ; g) land in submerged aquatic plant sseessment areas ta x acres = 45 = 0.029		
2. Benthic Comm w/o pres or current 7 Score = sum of above so uplands, divide by current pr w/o pres	with 3 cores/30 (if y 20) with 0.5	shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qua management practices = 6, communities = 8 very minor If preservation as miti Preservation adjustma Adjusted mitigation de	ted system. Individual parame 7, ; b) invasive exotics or oth ment = 7, (consistent with exp ality of coarse woody debris, s , h) topographic features = 7, ; r. igation, ent factor =	eter scores: a) plant commer invasive plant species sected); d) age & size distristing, den, and cavity = 6; i) siltation or algal growth	unity species in the canopy, = 7, (very little nuisance species), bution = 7, (typical of forested f) plant condition = 8, ; g) land in submerged aquatic plant		

Site/Project Name	Site/Project Name Application Nur				ber Assessment Area Name or Number		
Gulf NFRC Pha	se 3				WB-GC	DL-328B	
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation Site? Assessment Area			
630	630			E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems				
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cinn	plante sweetg etto. Th namon	ed loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features		regional landsca		ing the relative rarity in	relation to the		
Interstate highway			Not rare in relation to regional landscape				
Functions		Mitigation for pre	vious p	permit/other historic us	е		
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number		
Gulf NFRC	Phase 3			WB-GOL-328B		
Impact or Mitigation		Assessment conducted by:	Assessment d			
Impact (C	earing)	M. Harrington		4/16/2019		
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	inimal (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 waterfunctions	Minimal level of support of wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	landscape support variable herbaceous community. Inc (reduced by proximity of but access to and from outside distance or barriers = 7 (doo 1 by outside land uses = 7 (sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limi	ess of contiguous forested p Support to wildlife listed in pecies = 8 (minimal covera oads); d) functions that ber ted by roads and ditching; e ologically connected areas	arcels and conversion to Part 1 by outside habitats = 6 ge of Lygodium); c) Wildlife efit fish & wildlife downstream- e) Impacts to wildlife listed in Part downstream of assessment area		
.500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scores: water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses) evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of water = 6, receives road runoff. K) existing water quality data = N/A; I) water depth wave, wave energy, currents and penetration = N/A.						
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	Clearing of canopy will conv compared to existing forest shrub, or ground stratum = c) regeneration and recruitn wetland); e) density and qua	ed system. Individual parame 7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, s , h) topographic features = 7,	eter scores: a) plant commu ner invasive plant species = ected); d) age & size distrib snag, den, and cavity = 6; f	7, (very little nuisance species); ution = 7, (typical of forested plant condition = 8, ; g) land		
Score = sum of above scores/30 (i uplands, divide by 20)	f Preservation as miti Preservation adjustme	•		sessment areas a x acres =		
current pr w/o pres with 0.70 0.5	Adjusted mitigation de	elta =				
current pr w/o pres with	Adjusted mitigation de	elta =	For mitigation	issessment areas		
current pr w/o pres with		elta =	For mitigation a	issessment areas		

Site/Project Name			Application Number	Asse	Assessment Area Name or Number		
Gulf	NFRC P	hase 3			WB-GOL-328B		
Impact or Mitigation			Assessment conducted by:	Assessment conducted by: Assessm			
	mpact (F	=ill)	M. Harrington	Asse	ssment date	e. 4/16/2019	
	inpuot (i	,				1,10,2010	
Scoring Guidance	Į	Optimal (10)			(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 waterfunctions	Minimal level of wetland/surfa functio	ice water	Condition is insufficient to provide wetland/surface wa functions	
.500(6)(a) Location a Landscape Suppor w/o pres or current 7	nd t	landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	sociated with clearing the tran for wetland forests through lo dividual parameter scores: a) isy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limi (adjacent to highway); f) Hydr nstream areas on assessmen	oss of contiguous Support to wildlifi pecies = 8 (minim roads); d) function ted by roads and rologically connec	forested par e listed in Panal coverage ns that bene ditching; e) ted areas do	rcels and conversion to art 1 by outside habitats = 6 e of Lygodium); c) Wildlife fit fish & wildlife downstream Impacts to wildlife listed in P ownstream of assessment ar	
.500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parar water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) s consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adja evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested w hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirer vegetative species tolerant of and associated with water quality degradation = 7; j) direct observe = 6, receives road runoff. K) existing water quality data = N/A; I) water depth wave, wave energy penetration = N/A.						dual parameter scores: a) cted); c) soil moisture = 7, way, adjacent landuses); e) forested wetland); g) al requirements = 7; i) ect observation of water qua	
.500(6)(c)Community str 1. Vegetation and/c 2. Benthic Communi w/o pres or current 7	or ity	compared to existing forest shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qu	vert the system to a freshwate ted system. Individual parama 7, ; b) invasive exotics or oth ment = 7, (consistent with exp ality of coarse woody debris, s , h) topographic features = 7, r.	eter scores: a) pla ner invasive plant rected); d) age & s snag, den, and ca	ant commun species = 7 size distribut avity = 6; f) p	ity species in the canopy, , (very little nuisance species tion = 7, (typical of forested plant condition = 8, ; g) land	
Score = sum of above score: uplands, divide by 20 current pr w/o pres		If preservation as mit Preservation adjustm Adjusted mitigation d	ent factor =		FL = delta	essment areas x acres = : 0.70 = 0.004	
0.70							
0.70		If mitigation		For m	nitidation as	sessment areas	
0.70 Delta = [with-curren	t]	If mitigation Time lag (t-factor) =		For m	nitigation as	sessment areas	

Site/Project Name	Application Number	ber Assessment Area Name or Number			or Number		
Gulf NFRC Pha	se 3		D-GOL-281			L-281	
FLUCCs code	Further classification	ation (optional)		Impact or Mitigation Site? Assessment Area			
510	510			E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems				
Assessment area description The canopy stratum in the outer ec sweetgum, slash pine (recruited), i the edges. The subcanopy stratum fetterbush, highbush blueberry, wa chain fern, flatsedge, greenbrier, c (Eleocharis sp.), among others.	and dahoon (Ilex cassir a comprises red maple, ax myrtle, and saw palm	ne), with occurren slash pine, lobloll netto. The groundo	ces of loblolly bay ly bay, and wax m cover comprises c ern, blackberry, m	(Gord yrtle. T of a var aidenc	onia lasianthus) and pl he shrub stratum comp iety of species includin ane, fetterbush, grape	anted slash pine along orises slash pine, g wax myrtle, Virginia vine, and spikerush	
Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)						
Interst	No	t rare i	n relation to regional la	andscape			
Functions	Mitigation for pre	vious	permit/other historic us	e			
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

1		Application Number	Assessment A	Assessment Area Name or Number		
Gulf NFRC F	hase 3			D-GOL-281		
Impact or Mitigation		Assessment conducted by:	Assessment o			
Impact of Miligation Impact (Cle	earing)	M. Harrington	Assessment	4/16/2019		
		Wi. Humington		110/2010		
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 waterfunctions	Minimal level of support wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 7 6	landscape support variable herbaceous community. Ind b) Invasive exotic species = downstream-distance or bar	8; c) Wildlife access to and f rriers = 7; e) Impacts to wildlif m of assessment area = 8; g)	ss of contiguous forested Support to wildlife listed ir rom outside = 7; d) function e listed in Part 1 by outsid	parcels and conversion to Part 1 by outside habitats = 6;		
SourceClearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scores: a water levels and flows = 7; b) water level indicators = 7, altered hydroperiod due to to silvicultural practices; c) water levels and flows = 7; b) water level indicators = 7, altered hydroperiod due to to silvicultural practices; c) moisture = 7, consistent with expected; d) soil erosion or deposition = 5, erosion during clearing, coupled with existing erosion from roadway, adjacent landuses; e) evidence of fire history = 6; f) vegetation community zona 5, removal of canopy, conversion to herbaceous; g) hydrologic stress on vegetation = 5, canopy removal, rout maintenance; h) use by animal species with specific hydrological requirements = 8; i) vegetative species tolera and associated with water quality degradation = 7; j) direct observation of water quality = 6, temporary impact clearing coupled with existing minor sedimentation due to recreational activities. K) existing water quality data (l) water depth wave, wave energy, currents and light penetration = N/A.						
6 6 .500(6)(c)Community structure .500(6)(c)Community structure 1. Vegetation and/or Clearing of canopy will convert the system to a freshwater marsh community with significant loss of compared to existing forested system. Individual parameter scores: a) plant community species in shrub, or ground stratum = 4, ; b) invasive exotics or other invasive plant species = 7, very little nu c) regeneration and recruitment = 3, removal of canopy, recruitment affected by maintenance; d) at distribution = 4, atypical of forested wetland; e) density and quality of coarse woody debris, snag, d w/o pres or						
w/o pres or current with	4; f) plant condition = 4, ; g)	land management practices	nd quality of coarse woody = 6, silvicultural practices	aintenance; d) age & size debris, snag, den, and cavity = and access roads, h) topographic		
w/o pres or current with	4; f) plant condition = 4, ; g)	algal growth in submerged aq gation, ent factor =	nd quality of coarse woody = 6, silvicultural practices uatic plant communities = For impact a	aintenance; d) age & size debris, snag, den, and cavity = and access roads, h) topographic		
<pre>w/o pres or current with 4 3 Score = sum of above scores/30 (if uplands, divide by 20) current pr w/o pres with</pre>	4; f) plant condition = 4, ; g) features = 7, ; i) siltation or <u>If preservation as miti</u> Preservation adjustme Adjusted mitigation de	algal growth in submerged aq gation, ent factor =	nd quality of coarse woody = 6, silvicultural practices uatic plant communities = For impact a FL = de	aintenance; d) age & size y debris, snag, den, and cavity = and access roads, h) topographic 8 very minor. ssessment areas ita x acres =		
<pre>w/o pres or current with 4 3 Score = sum of above scores/30 (if uplands, divide by 20) current pr w/o pres with</pre>	4; f) plant condition = 4, ; g) features = 7, ; i) siltation or If preservation as miti- Preservation adjustme	algal growth in submerged aq gation, ent factor =	nd quality of coarse woody = 6, silvicultural practices uatic plant communities = For impact a FL = de	aintenance; d) age & size debris, snag, den, and cavity = and access roads, h) topographic 8 very minor. ssessment areas		

Site/Project Name Application Num			er Assessment Area Name or Nu			or Number	
Gulf NFRC Pha	se 3		D-GOL-330				
FLUCCs code	Further classification	ation (optional)		Impac	Impact or Mitigation Site? Assessment		
510			E	Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Cla	ss)	Special Classificati	ion (i.e.C	DFW, AP, other local/state/federa	I designation of importance)	
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, slash pine (recruited), a the edges. The subcanopy stratum fetterbush, highbush blueberry, wa chain fern, flatsedge, greenbrier, d (Eleocharis sp.), among others.	and dahoon (Ilex cassir n comprises red maple, ax myrtle, and saw palm	ne), with occurren slash pine, loblol netto. The grounde	ces of loblolly bay ly bay, and wax m cover comprises c ern, blackberry, m	(Gord yrtle. T of a vai aidenc	lonia lasianthus) and pl The shrub stratum comp riety of species includin cane, fetterbush, grape	anted slash pine along prises slash pine, g wax myrtle, Virginia vine, and spikerush	
Significant nearby features	Uniqueness (co regional landsca		ing the relative rarity in	relation to the			
Interstate highway			Not rare in relation to regional landscape				
Functions	Mitigation for pre	vious	permit/other historic us	e			
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna				ise by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				
Guif NFRC Phase 3 D-GOL-330 Impact or Mitigation Impact (Clearing) Assessment conducted by: Impact (Clearing) Assessment date: 4/16/2019 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) Moderate(7) Minimal (4) Not P .500(6)(a) Location and Landscape Support Cos of canopy species associated with clearing the transmission line ROW would reduce the locat landscape support variable for wetland forests through loss of condiguous forested parcels and con be refaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outside b) Invasive exotic species = 3, c) Wildlife access to and from outside = 7, d) functions tha benefit downstream-distance or barriers = 7, e) Impacts to wildlife listed in Part 1 by outside land uses = 6, b. benefit to downstream areas. Clearing the canopy will temporarily impact the water environment variable, converting forested sys freshwater marks, although silt fencing will reduce temporary turbidity impacts. Individual parameter water levels and flows = 7, b) water level indicators = 7, altered hydrological requirements = 8, f). .500(6)(b)/Water Environment (n'a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested sys freshwater marks, although silt fencing will reduce temporary turbidity impacts. Individual parameter water levels and flows = 7, b) water relevel indicators = 7, altered hydrological requirements = 8, f) equetative sp and associated with water quality degradation = 7, f) direct observation of water quality = 6, tempor existing erois	Site/Project Name		Application Number	Assessment	Assessment Area Name or Number		
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Impact or Mitigation Assessment conducted by: Impact (Clearing) Assessment conducted by: M. Harrington Assessment date: 4/16/2019 Scoring Guidance The scoring G each indicator is based on what would be suitable to the type of wetland or surface water assessed Optimal (10) Moderate(7) Minimal (4) Not P .500(6)(a) Location and Landscape Support Condition is optimal and fully supports Condition is optimal and optimal, but subjects waterfunctions Minimal (4) Not P .500(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the locat indexcepe support variable for wetland foresets through loss configuous forested parcels and con- herbaceous community. Individual parameter scores: a) Support to widtife listed in Part 1 by outside b) Invasive case downstream of assessment area = 8; g) Dependency of downstream areas on scornert Consistent With downstream-distance or barriers = 7; e) Impacts to widtife listed in Part 1 by outside land uses = 6; b. benefit to downstream areas. .500(6)(b)/Water Environment (n/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system water queues and flows = 7; b) water level indicators = 7, altered hydroperiod due to to silvalural parameter scores or current Clearing of canopy will convert the system to a freshwater marsh community with significant loss of compared to existing drested system. Individual parameter scores: a) alphan community species in shrub, or ground stratum = 4; ; b) invasive exocits or other invasive plant community species in s		Phase 3			D-GOL-330		
Impact (Clearing) M. Harrington 4/16/2019 Scoring Guidance The scoring of each undextor is based on what would be suitable for the type of wetland or surface water assessed							
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 less than optimal, but sufficient to maintain most wetland/surface wetland/surface Minimal (4) Not P 500(6)(a) Location and Landscape Support Condition is optimal and fully supports wetland/surface Minimal level of support of maintain most wetland/surface Minimal (4) Not P 500(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the locat landscape support variable for wetland forests through loss of contiguous forested parcels and com herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outside b) Invasive exotic species = 3; c) Wildlife access to and from outside = 7; d) functions that benefit downstream -clistance or bacessesment area = 8; g) Dependency of downstream areas on ass current 5.001(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested sys treshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameters of canopy conversion to herbaceous; g) hydrologic stress on vegetation = 5, canopy re- maintenance; h) use by animal species with specific hydrologic stress on vegetation = 5, canopy re- maintenance; h) use by animal species with specific hydrologic stress on vegetation = 6, canopy re- maintenance; h) use by animal species with specific hydrologic stress on vegetation = 5, canopy re- maintenance; h) use by animal species with specific hydrologic stress on vegetation = 6, canopy re- maintenance; h) use by animal species with specific hydrologic stress o				Assessment			
The scoring of each indicator is based on what would be suitable for the type of wetland or susaed on what would be suitable for the type of wetland or susaed on the fully supports in the type of wetland or susaed on the subset of functions Condition is petinal and optimal, but sufficient to wetland/surface water functions Minimal level of support of functions Condition is petinal and optimal, but sufficient to wetland/surface water functions Minimal level of support of functions Condition is petinal and optimal, but sufficient to wetland/surface water functions Condition is petinal and optimal, but sufficient to wetland/surface water functions Condition is petinal and optimal, but sufficient to wetland/surface water functions .500(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the locat landscape support variable for wetland forests through loss of contiguous forested parcels and com herbaceous community. Individual parameter scores: a) Support to would reduce the locat cleares downstream of assessment area = 8, g) Dependency of downstream areas on ass 6, benefit to downstream areas. Clearing the canopy will temporarily impact the water environment variable, converting forested sys freshwater marsh, although sit fencing will reduce temporary turbidity impacts. Individual parameter water levels and forces 7, b) water level indicators = 7, altered hydroperiod due to sivicultural parameters scores: a) plant community species in maintal species wave, wave energy. Current with 6 .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will convert the system to a freshwater marsh community with significant loss of compared to existing orogasion from roadway, adjacent hadcass = 0, elvele	Impact (0	learing)	M. Harrington		4/16/2019		
The scoring of each indicator is based on what would be suitable for the type of wetland or susaed on what would be suitable for the type of wetland or susaed on the fully supports in the type of wetland or susaed on the subset of functions Condition is petinal and optimal, but sufficient to wetland/surface water functions Minimal level of support of functions Condition is petinal and optimal, but sufficient to wetland/surface water functions Minimal level of support of functions Condition is petinal and optimal, but sufficient to wetland/surface water functions Condition is petinal and optimal, but sufficient to wetland/surface water functions Condition is petinal and optimal, but sufficient to wetland/surface water functions .500(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the locat landscape support variable for wetland forests through loss of contiguous forested parcels and com herbaceous community. Individual parameter scores: a) Support to would reduce the locat cleares downstream of assessment area = 8, g) Dependency of downstream areas on ass 6, benefit to downstream areas. Clearing the canopy will temporarily impact the water environment variable, converting forested sys freshwater marsh, although sit fencing will reduce temporary turbidity impacts. Individual parameter water levels and forces 7, b) water level indicators = 7, altered hydroperiod due to sivicultural parameters scores: a) plant community species in maintal species wave, wave energy. Current with 6 .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will convert the system to a freshwater marsh community with significant loss of compared to existing orogasion from roadway, adjacent hadcass = 0, elvele	Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
2.500(6)(a) Edealation and Landscape Support Iandscape support variable for wetland forests through loss of configuous forested parcels and com- herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outside b) Invasive exolic species = 8; c) Wildlife access to and from outside = 7; d) functions that benefit f downstream-distance or barriers = 7; e) Impacts to wildlife listed in Part 1 by outside land uses = 6; connected areas downstream dassessment area = 8; g) Dependency of downstream areas on ass 6, benefit to downstream areas. 7 6 .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested sys freshwater marsh, although silt fencing will reduce temporary turbidy impacts. Individual parameter water levels and flows = 7; b) water level indicators = 7, altered hydroperiod due to silvicultural p moisture = 7, consistent with expected; d) soll erosion or deposition = 5, erosion during clearing, co- wisting erosion from roadway, adjacent landuses; e) evidence of fire history = 6; f) vegetation com 5, removal of canopy, conversion to herbaceous; g) hydrologic at requirements = 8; i) vegetation es and associated with water quality degradation = 7; j) direct observation of water quality = 6, tempor clearing ocupied with existing minor sedimentation due to recreational activities. K) existing water q I) water depth wave, wave energy, currents and light penetration = N/A. 8. Source for compared to existing forcanopy will convert the system to a freshwater marsh community with significant loss of compared to existing forand vertices or other invasive occides = 7, very little nu or generation and recruitment = 3, removal of canopy recutiment affected by maintenance; d) ag distribution = 4, stypical of forested w	indicator is based on what would be suitable for the type of wetland or	fully supports wetland/surface water	optimal, but sufficient to maintain most wetland/surface	wetland/surface wate			
.500(6)(b)Water Environment (n/a for uplands) freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter water levels and flows = 7; b) water level indicators = 7, altered hydroperiod due to to silvicultural pin moisture = 7, consistent with expected; d) soil erosion or deposition = 5, erosion during clearing, co- existing erosion from roadway, adjacent landuses; e) evidence of fire history = 6; f) vegetation com 5, removal of canopy, conversion to herbaceous; g) hydrologic stress on vegetation = 5, canopy rei maintenance; h) use by animal species with specific hydrological requirements = 8; i) vegetative sp and associated with water quality degradation = 7; j) direct observation of water quality = 6, tempora clearing coupled with existing minor sedimentation due to recreational activities. K) existing water q l) water depth wave, wave energy, currents and light penetration = N/A. 5.500(6)(c)Community structure Clearing of canopy will convert the system to a freshwater marsh community with significant loss of compared to existing forested system. Individual parameter scores: a) plant community species in shrub, or ground stratum = 4; ; b) invasive exotics or other invasive plant species = 7, very little nu c) regeneration and recruitment = 3, removal of canopy, recruitment affected by maintenance; d) ag distribution = 4, atypical of forested wetland; e) density and quality of coarse woody debris, snag, di 4; f) plant condition = 4, ; g) land management practices = 6, silvicultural practices and access road features = 7, ; i) siltation or algal growth in submerged aquatic plant communities = 8 very minor. Score = sum of above scores/30 urrent If preservation as mitigation, Preservation adjustment factor = Adjusted mitigation delta = For impact assessment areas FL = delta x acres = <td>Landscape Support</td> <td>landscape support variable herbaceous community. Inc b) Invasive exotic species = downstream-distance or ba connected areas downstream</td> <td>e for wetland forests through lo dividual parameter scores: a) = 8; c) Wildlife access to and f irriers = 7; e) Impacts to wildlif am of assessment area = 8; gj</td> <td>ss of contiguous forested Support to wildlife listed rom outside = 7; d) funct e listed in Part 1 by outsi</td> <td>d parcels and conversion to in Part 1 by outside habitats = 6; ions that benefit fish & wildlife de land uses = 6; f) Hydrologically</td>	Landscape Support	landscape support variable herbaceous community. Inc b) Invasive exotic species = downstream-distance or ba connected areas downstream	e for wetland forests through lo dividual parameter scores: a) = 8; c) Wildlife access to and f irriers = 7; e) Impacts to wildlif am of assessment area = 8; gj	ss of contiguous forested Support to wildlife listed rom outside = 7; d) funct e listed in Part 1 by outsi	d parcels and conversion to in Part 1 by outside habitats = 6; ions that benefit fish & wildlife de land uses = 6; f) Hydrologically		
1. Vegetation and/or Clearing of canopy will convert the system to a freshwater marsh community with significant loss of compared to existing forested system. Individual parameter scores: a) plant community species in shrub, or ground stratum = 4, ; b) invasive exotics or other invasive plant species = 7, very little nu c) regeneration and recruitment = 3, removal of canopy, recruitment affected by maintenance; d) age distribution = 4, typical of forested wetland; e) density and quality of coarse woody debris, snag, device features = 7, ; i) siltation or algal growth in submerged aquatic plant communities = 8 very minor. 8 Score = sum of above scores/30 (if uplands, divide by 20) current If preservation as mitigation, preservation adjustment factor = For impact assessment areas adjusted mitigation delta = Adjusted mitigation delta = For impact assessment areas	 (n/a for uplands) (n/a for uplands)<						
uplands, divide by 20) FL = delta x acres = current FL = delta x acres = br w/o pres with Adjusted mitigation delta =	1. Vegetation and/or 2. Benthic Community w/o pres or current with						
	uplands, divide by 20) current or w/o pres with	Preservation adjustm	ent factor =				
If mitigation		If mitigation			a concoment areas		
Delta = [with-current] Time lag (t-factor) = For mitigation assessment are	Delta = [with-current]						
-0.07 Risk factor = RFG = delta/(t-factor x risk) =	-0.07	Risk factor =		RFG = delta/(t-fac	tor x risk) =		

Site/Project Name		Application Number	er		Assessment Area Name	or Number
Gulf NFRC Pha	ise 3		D-GOL-331A			
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size
510				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Cla	ss)	Special Classificati	ON (i.e.C	FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection wit	h wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems			
Assessment area description The canopy stratum in the outer ec sweetgum, slash pine (recruited), i the edges. The subcanopy stratum fetterbush, highbush blueberry, wa chain fern, flatsedge, greenbrier, c (Eleocharis sp.), among others.	and dahoon (llex cassi n comprises red maple, ax myrtle, and saw paln	ne), with occurren slash pine, lobloll netto. The groundo	ces of loblolly bay ly bay, and wax m cover comprises o ern, blackberry, ma	(Gord yrtle. T of a var aidenc	onia lasianthus) and pl he shrub stratum comp iety of species includin ane, fetterbush, grape	anted slash pine along orises slash pine, g wax myrtle, Virginia vine, and spikerush
Significant nearby features			Uniqueness (co regional landsca		ing the relative rarity in	relation to the
Interst	No	t rare i	n relation to regional la	ndscape		
Functions	Mitigation for pre	vious	permit/other historic us	e		
Wildlife habitat, wa	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	rds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).	
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Impact (Clearing) 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) M .500(6)(a) Location and Landscape Support Coss of canopy species associated w landscape support variable for wetlan herbaceous community. Individual pa b) Invasive exotic species = 8; c) Wild downstream-distance or barriers = 7; connected areas downstream of asse 6, benefit to downstream areas. .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily in freshwater marsh, although silt fencin water levels and flows = 7; b) water le existing erosion from roadway, adjace 5, removal of canopy, conversion to to maintenance; h) use by animal specie and associated with water quality deg clearing coupled with existing minor s	d forests through lo rameter scores: a llife access to and e) Impacts to wildli ssment area = 8; g mpact the water en g will reduce temp vel indicators = 7, d; d) soil erosion o ent landuses; e) ev	Minimal (4) Minimal level of supp wetland/surface wa functions msmission line ROW wou oss of contiguous forest) Support to wildlife liste from outside = 7; d) fun ife listed in Part 1 by out g) Dependency of downs wironment variable, com- orary turbidity impacts. altered hydroperiod due	A/16/2019 Not Present (0) port of ater Condition is insufficient to provide wetland/surface water functions uld reduce the location and ted parcels and conversion to ad in Part 1 by outside habitats = 6; notions that benefit fish & wildlife tside land uses = 6; f) Hydrologically stream areas on assessment area = verting forested system to a Individual parameter scores: a) a to to silvicultural practices; c) soil in during clearing, coupled with			
Impact (Clearing) Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed .500(6)(a) Location and Landscape Support w/o pres or current 7 6 Clearing the canopy will temporarily in freshwater marsh, although silt fencin w/o pres or current (n/a for uplands) Clearing the canopy, conversion to the maintenance; h) use by animal specie and associated with water quality deg clearing coupled with existing minor so	M. Harrington Ioderate(7) Ition is less than I, but sufficient to aintain most tland/surface aterfunctions th clearing the trar d forests through la rameter scores: a llife access to and e) Impacts to wildli ssment area = 8; g mpact the water en g will reduce tempor vel indicators = 7, d; d) soil erosion on ont landuses; e) ev	Minimal (4) Minimal level of supp wetland/surface wa functions msmission line ROW wou oss of contiguous forest) Support to wildlife liste from outside = 7; d) fun ife listed in Part 1 by out g) Dependency of downs wironment variable, com- orary turbidity impacts. altered hydroperiod due	A/16/2019 Not Present (0) port of ater Condition is insufficient to provide wetland/surface water functions uld reduce the location and ted parcels and conversion to ad in Part 1 by outside habitats = 6; notions that benefit fish & wildlife tside land uses = 6; f) Hydrologically stream areas on assessment area = verting forested system to a Individual parameter scores: a) a to to silvicultural practices; c) soil in during clearing, coupled with			
Impact (Clearing) 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) M .500(6)(a) Location and Landscape Support Coss of canopy species associated w landscape support variable for wetlan herbaceous community. Individual pa b) Invasive exotic species = 8; c) Wild downstream-distance or barriers = 7; connected areas downstream of asse 6, benefit to downstream areas. .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily in freshwater marsh, although silt fencin water levels and flows = 7; b) water le wisting erosion from roadway, adjace 5, removal of canopy, conversion to to maintenance; h) use by animal specie and associated with water quality deg clearing coupled with existing minor s	M. Harrington Ioderate(7) Ition is less than I, but sufficient to aintain most tland/surface aterfunctions th clearing the trar d forests through la rameter scores: a llife access to and e) Impacts to wildli ssment area = 8; g mpact the water en g will reduce tempor vel indicators = 7, d; d) soil erosion on ont landuses; e) ev	Minimal (4) Minimal level of supp wetland/surface wa functions msmission line ROW wou oss of contiguous forest) Support to wildlife liste from outside = 7; d) fun ife listed in Part 1 by out g) Dependency of downs wironment variable, com- orary turbidity impacts. altered hydroperiod due	A/16/2019 Not Present (0) port of ater Condition is insufficient to provide wetland/surface water functions uld reduce the location and ted parcels and conversion to ad in Part 1 by outside habitats = 6; notions that benefit fish & wildlife tside land uses = 6; f) Hydrologically stream areas on assessment area = verting forested system to a Individual parameter scores: a) a to to silvicultural practices; c) soil in during clearing, coupled with			
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 optimal method for the type of wetland or surface water assessed .500(6)(a) Location and Landscape Support Loss of canopy species associated w landscape support variable for wetlan herbaceous community. Individual pa b) Invasive exotic species = 8; c) Wild downstream-distance or barriers = 7; connected areas downstream of asse 6, benefit to downstream areas. 7 6 .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily ir freshwater marsh, although silt fencin water levels and flows = 7; b) water le moisture = 7, consistent with expecte existing erosion from roadway, adjace 5, removal of canopy, conversion to to maintenance; h) use by animal specie and associated with water quality deg clearing coupled with existing minor s	tion is less than I, but sufficient to aintain most tland/surface aterfunctions th clearing the trar d forests through la rameter scores: a llife access to and e) Impacts to wildli ssment area = 8; g npact the water en g will reduce temp vel indicators = 7, d; d) soil erosion of ant landuses; e) ev	Minimal level of supp wetland/surface wa functions nomission line ROW woo oss of contiguous forest) Support to wildlife liste from outside = 7; d) fun ife listed in Part 1 by out g) Dependency of downs	verting forested system to a Individual parameter scores: a) e to to silvicultural practices; c) soil			
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 optimal and fully supports .500(6)(a) Location and Landscape Support Loss of canopy species associated w landscape support variable for wetlan herbaceous community. Individual pa b) Invasive exotic species = 8; c) Wild downstream-distance or barriers = 7; connected areas downstream of assec 6, benefit to downstream areas. 7 6 .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily ir freshwater marsh, although silt fencin water levels and flows = 7; b) water le existing erosion from roadway, adjace 5, removal of canopy, conversion to h maintenance; h) use by animal specie and associated with water quality deg clearing coupled with existing minor s	tion is less than I, but sufficient to aintain most tland/surface aterfunctions th clearing the trar d forests through la rameter scores: a llife access to and e) Impacts to wildli ssment area = 8; g npact the water en g will reduce temp vel indicators = 7, d; d) soil erosion of ant landuses; e) ev	Minimal level of supp wetland/surface wa functions nomission line ROW woo oss of contiguous forest) Support to wildlife liste from outside = 7; d) fun ife listed in Part 1 by out g) Dependency of downs	verting forested system to a Individual parameter scores: a) e to to silvicultural practices; c) soil			
indicator is based on what would be suitable for the type of wetland or surface water assessedCondition is optimal and fully supports wetland/surface water functionsoptimal m wetland/surface water functions.500(6)(a) Location and Landscape SupportLoss of canopy species associated w landscape support variable for wetlan herbaceous community. Individual pa b) Invasive exotic species = 8; c) Wild downstream-distance or barriers = 7; connected areas downstream of assec 6, benefit to downstream areas500(6)(b)Water Environment (n/a for uplands)Clearing the canopy will temporarily in freshwater marsh, although silt fencin water levels and flows = 7; b) water le moisture = 7, consistent with expecte existing erosion from roadway, adjace 5, removal of canopy, conversion to h maintenance; h) use by animal specie and associated with water quality deg clearing coupled with existing minor s	I, but sufficient to aintain most tland/surface aterfunctions th clearing the trar d forests through la rameter scores: a llife access to and e) Impacts to wildli ssment area = 8; g mpact the water en g will reduce temp vel indicators = 7, d; d) soil erosion o ent landuses; e) ev	wetland/surface wa functions nsmission line ROW wor oss of contiguous forest) Support to wildlife liste from outside = 7; d) fun ife listed in Part 1 by out g) Dependency of downs	ater provide wetland/surface wate functions uld reduce the location and ted parcels and conversion to ed in Part 1 by outside habitats = 6; notions that benefit fish & wildlife tside land uses = 6; f) Hydrologically stream areas on assessment area = verting forested system to a Individual parameter scores: a) e to to silvicultural practices; c) soil n during clearing, coupled with			
.500(6)(a) Location and Landscape Support Iandscape support variable for wetlan herbaceous community. Individual pa b) Invasive exotic species = 8; c) Wild downstream-distance or barriers = 7; connected areas downstream of asse 6, benefit to downstream areas. 7 6 .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily in freshwater marsh, although silt fencin water levels and flows = 7; b) water le moisture = 7, consistent with expecte existing erosion from roadway, adjace 5, removal of canopy, conversion to h maintenance; h) use by animal specie and associated with water quality deg clearing coupled with existing minor s	d forests through lo rameter scores: a llife access to and e) Impacts to wildli ssment area = 8; g mpact the water en g will reduce temp vel indicators = 7, d; d) soil erosion o ent landuses; e) ev	oss of contiguous forest) Support to wildlife liste from outside = 7; d) fun ife listed in Part 1 by out g) Dependency of downs vironment variable, com orary turbidity impacts. altered hydroperiod due	ted parcels and conversion to ed in Part 1 by outside habitats = 6; inctions that benefit fish & wildlife tside land uses = 6; f) Hydrologically stream areas on assessment area = verting forested system to a Individual parameter scores: a) e to to silvicultural practices; c) soil in during clearing, coupled with			
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with	g will reduce tempo vel indicators = 7, d; d) soil erosion o ent landuses; e) ev	orary turbidity impacts. altered hydroperiod due	Individual parameter scores: a) to to silvicultural practices; c) soil during clearing, coupled with			
6 I) water depth wave, wave energy, cu	 (n/a for uplands) (n/a for uplands)<					
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 4 3						
Score = sum of above scores/30 (if uplands, divide by 20) current If preservation as mitigation, pr w/o pres with 0.57 0.5	-		ct assessment areas c delta x acres =			
If mitigation			·			
Delta = [with-current] Time lag (t-factor) =		For mitigati	ion assessment areas			
-0.07 Risk factor =		REG = delta/(t-fa	actor x risk) =			

Site/Project Name		Application Numbe	er		Assessment Area Name	or Number	
Gulf NFRC Pha	se 3		W-GOL-332				
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation Site? Assessment A			
630				E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Interst		No	t rare i	n relation to regional la	ndscape		
Functions	Mitigation for pre	vious p	permit/other historic us	е			
Wildlife habitat, wa	ge			N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name			Application Number	As	Assessment Area Name or Number		
	FNFRC F	Phase 3			W-GOL-332		
Impact or Mitigation		-	Assessment conducted by: Assessment date:				
. 0	pact (Cle	earing)	M. Harrington	AS	sessment date	 4/16/2019	
	p					.,,	
Scoring Guidance]	Optimal (10)	Moderate(7)	Minim	nal (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 waterfunctions	of support of rface water tions	Condition is insuffic provide wetland/surfa functions		
.500(6)(a) Location a Landscape Suppo w/o pres or current 7	is forested par llife listed in Pa imal coverage ons that benef id ditching; e) l ected areas do	luce the location and rcels and conversion to art 1 by outside habita e of Lygodium); c) Wild fit fish & wildlife downs Impacts to wildlife liste ownstream of assessm s somewhat dependen	ts = 6 Ilife stream- ed in Par nent area				
 .500(6)(b)Water Environment (n/a for uplands) W/o pres or current with 7 7 7 7 Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scores: water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of water penetration = N/A. 							: a) = 7, :s); e) er quality
.500(6)(c)Community st 1. Vegetation and/ 2. Benthic Commur w/o pres or current 7	′or	compared to existing forest shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qu	vert the system to a freshwate ted system. Individual parame 7, ; b) invasive exotics or oth ment = 7, (consistent with exp ality of coarse woody debris, s , h) topographic features = 7, r.	eter scores: a) p ler invasive plat ected); d) age & snag, den, and	plant communi nt species = 7, & size distribut cavity = 6; f) p	ity species in the cano , (very little nuisance s ion = 7, (typical of fore lant condition = 8, ; g)	py, species); ested) land
Score = sum of above score uplands, divide by 20 current or w/o pres 0.70		If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =	F	or impact asse FL = delta : 0.2x0.377		
	-	l					
		If mitigation		For	mitigation ass	sessment areas	
Delta = [with-current] Time lag (t-factor) =				RFG = delta/(t-factor x risk) =			
					alto//t factor	rick) -	

Site/Project Name			Application Number	ea Name or Number		
Gi	ulf NFRC F	Phase 3			W-GOL-332	
Impact or Mitigation			Assessment conducted by:	Assessment da	te:	
	Impact (Fill)	M. Harrington		4/16/2019	
Scoring Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)	
The scoring of each		Condition is optimal and	Moderate(7) Condition is less than	Willindi (4)	Not Fresent (0)	
indicator is based on what would be suitable		fully supports	optimal, but sufficient to maintain most	Minimal level of support or wetland/surface water	Condition is insufficient to provide wetland/surface water	
for the type of wetland		wetland/surface water functions	wetland/surface	functions	functions	
surface water assesse	ed	Turictions	waterfunctions			
.500(6)(a) Locatior Landscape Supp w/o pres or current 7		landscape support variable herbaceous community. In (reduced by proximity of bu access to and from outside distance or barriers = 7 (dc 1 by outside land uses = 7	wnstream flow somewhat limi	oss of contiguous forested p Support to wildlife listed in l pecies = 8 (minimal coverag roads); d) functions that ben ted by roads and ditching; e ologically connected areas of	arcels and conversion to Part 1 by outside habitats = 6 je of Lygodium); c) Wildlife efit fish & wildlife downstream-) Impacts to wildlife listed in Part downstream of assessment area	
.500(6)(b)Water Environment (n/a for uplands)Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scores: water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of wate = 6, receives road runoff. K) existing water quality data = N/A; 1) water depth wave, wave energy, currents ar penetration = N/A.						
.500(6)(c)Community 1. Vegetation an 2. Benthic Commu w/o pres or current 7	ıd/or	compared to existing fores shrub, or ground stratum = c) regeneration and recruit wetland); e) density and qu	ted system. Individual parame 7, ; b) invasive exotics or oth ment = 7, (consistent with exp lality of coarse woody debris, , h) topographic features = 7,	eter scores: a) plant commu ner invasive plant species = ected); d) age & size distribu snag, den, and cavity = 6; f)	7, (very little nuisance species); ution = 7, (typical of forested plant condition = 8, ; g) land	
Score = sum of above sco		If preservation as mit	igation,		sessment areas	
uplands, divide by current	20)	Preservation adjustm	ent factor =	FL = delta	a x acres =	
pr w/o pres 0.70	with 0	Adjusted mitigation d	elta =	FL: .005 ac. :	x 0.70 = 0.004	
		l				
		If mitigation				
		1		For mitigation a	ssessment areas	
Delta = [with-curr	ent]	Time lag (t-factor) =		For mitigation a RFG = delta/(t-factor		

Site/Project Name		Application Number	er	1	Assessment Area Name	or Number	
Gulf NFRC Pha	ise 3		W-GOL-333				
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation Site? Assessment A			
630				E	existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.), water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features		Uniqueness (considering the relative rarity in relation to the regional landscape.)					
Interst		No	t rare i	n relation to regional la	andscape		
Functions	Mitigation for pre	vious p	permit/other historic us	e			
Wildlife habitat, wa	ge			N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	rds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name		Application Number	ŀ	Assessment Area Name or Number		
Gulf NFRC F	Phase 3		W-GOL-333			
Impact or Mitigation	-	Assessment conducted by: Assessment date:				
Impact of Miligation Impact (Cle	earing)	M. Harrington	r		 4/16/2019	
Scoring Guidance	Optimal (10)	Moderate(7)	Min	imal (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 waterfunctions	el of support of surface water actions	Condition is insuffic provide wetland/surfa functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	luce the location and reels and conversion to art 1 by outside habitat of Lygodium); c) Wild fit fish & wildlife downs Impacts to wildlife liste ownstream of assessm s somewhat dependen	ts = 6 life tream- d in Part ent area				
 .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scores: water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of water = 6, receives road runoff. K) existing water quality data = N/A; 1) water depth wave, wave energy, currents an penetration = N/A. 						
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	compared to existing forest shrub, or ground stratum = c) regeneration and recruitn wetland); e) density and qua	vert the system to a freshwate ed system. Individual parame 7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, s h) topographic features = 7, r.	eter scores: a ner invasive p ected); d) age snag, den, an) plant communi lant species = 7, e & size distribut d cavity = 6; f) p	ity species in the canor , (very little nuisance s ion = 7, (typical of fore plant condition = 8, ; g)	py, pecies); sted land
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.70 0.5	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		For impact asse FL = delta : 0.2x0.072	x acres =	
	If mitigation		· · · · ·			
Delta = [with-current]	Time lag (t-factor) =		F	or mitigation ass	sessment areas	
-0.20	Risk factor =		RFG =	delta/(t-factor x	risk) =	
-0.20						

Site/Project Name		Application Numbe	er	4	Assessment Area Name	or Number	
Gulf NFRC Pha	se 3		W-GOL-334				
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation Site? Assessment			
630				E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.). among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features		Uniqueness (considering the relative rarity in relation to the regional landscape.)					
Interst		No	ot rare i	n relation to regional la	ndscape		
Functions	Mitigation for pre	evious p	permit/other historic us	e			
Wildlife habitat, wa	ge			N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name			Application Number	Assessment Are	sessment Area Name or Number		
Gulf	NFRC F	Phase 3				W-GOL-334	
Impact or Mitigation			Assessment conducted by: Assessment dat			j.	
	pact (Cle	aring)	M. Harrington			4/16/2019	
	_						
Scoring Guidance The scoring of each	4	Optimal (10)	Moderate(7) Condition is less than	Mi	nimal (4)	Not Present (0)	
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 maintain most wetland/surface waterfunctions	wetland	evel of support of /surface water unctions	Condition is insufficier provide wetland/surface functions	
.500(6)(a) Location a Landscape Suppor w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	sociated with clearing the tra for wetland forests through dividual parameter scores: a sy roads; b) Invasive exotic = 6 (reduced to proximity of wnstream flow somewhat lin (adjacent to highway); f) Hyo nstream areas on assessme	loss of contig a) Support to species = 8 (roads); d) fu hited by roads trologically co	uous forested par wildlife listed in Pa minimal coverage nctions that benef and ditching; e) onnected areas do	cels and conversion to art 1 by outside habitats = e of Lygodium); c) Wildlife fit fish & wildlife downstre Impacts to wildlife listed i ownstream of assessmen	e eam- in Par nt area
 .500(6)(b)Water Environment (n/a for uplands) W/o pres or current with 7 7 7 Clearing the canopy will temporarily impact the water environment variable, converting forested system to freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter score water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moistur consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landus evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of water = 6, receives road runoff. K) existing water quality data = N/A; 1) water depth wave, wave energy, currents and the protection = N/A. 						ual parameter scores: a cted); c) soil moisture = 7 way, adjacent landuses); forested wetland); g) al requirements = 7; i) ect observation of water o	∕, ; e) quality
.500(6)(c)Community str 1. Vegetation and/c 2. Benthic Communi w/o pres or current 7	or iity	compared to existing forest shrub, or ground stratum = c) regeneration and recruitr		neter scores: ther invasive pected); d) a snag, den, a	a) plant communi plant species = 7 ge & size distribut ind cavity = 6; f) p	ity species in the canopy, , (very little nuisance spe ion = 7, (typical of foreste lant condition = 8, ; g) lar	; ecies) ed nd
Score = sum of above score uplands, divide by 20 current pr w/o pres 0.70		If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		For impact asse FL = delta 0.2x2.074	x acres =	
Delta = [with-curren	ntl	If mitigation Time lag (t-factor) =			For mitigation as	sessment areas	
-0.20	ч —	Risk factor =		RFG	= delta/(t-factor x	risk) =	
-0.20							

Site/Proje	ect Name			Application Number	Assessment A	Assessment Area Name or Number		
	Gu	ulf NFRC F	Phase 3			W-GOL-334		
Impact or	Mitigation			Assessment conducted by:	Assessment conducted by: Assessment da			
	g	Impact (Fill)	M. Harrington		4/16/2019		
0	Ouiden e							
	ng Guidance oring of each		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
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 maintain most wetland/surface waterfunctions	Minimal level of support wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions		
	(6)(a) Locatior ndscape Supp r		landscape support variabl herbaceous community. Ir (reduced by proximity of b access to and from outsid distance or barriers = 7 (d 1 by outside land uses = 7	usy roads; b) Invasive exotic s e = 6 (reduced to proximity of ownstream flow somewhat limi	oss of contiguous forested Support to wildlife listed in pecies = 8 (minimal covera roads); d) functions that be ted by roads and ditching; rologically connected areas	parcels and conversion to Part 1 by outside habitats = 6 age of Lygodium); c) Wildlife nefit fish & wildlife downstream- e) Impacts to wildlife listed in Par downstream of assessment area		
 S00(6)(b)Water Environment (n/a for uplands) W/o pres or current W/o Tres or 0 Current W/o W/o T 0 						ividual parameter scores: a) pected); c) soil moisture = 7, adway, adjacent landuses); e) for forested wetland); g) gical requirements = 7; i) direct observation of water quality		
.500(6)(c)Community structure Clearing of canopy will conv compared to existing forest shrub, or ground stratum =			compared to existing fores shrub, or ground stratum c) regeneration and recrui	sted system. Individual param = 7, ; b) invasive exotics or otl tment = 7, (consistent with exp	eter scores: a) plant comm ner invasive plant species = pected); d) age & size distri	= 7, (very little nuisance species); bution = 7, (typical of forested		
w/o pres o current 7	r	with 0		uality of coarse woody debris, ô, h) topographic features = 7, or.				
	um of above sco		If preservation as m	itigation,		ssessment areas		
upl current	ands, divide by	∠∪)	Preservation adjustr	nent factor =	FL = de	ta x acres =		
or w/o pres 0.70	s	with 0	Adjusted mitigation	delta =	FL: 0.01 ac	. x 0.70 = 0.007		
0.70		U						
			If mitigation		For mitigation	assessment areas		
Delta = [with-current] Time lag (t-factor) =			Time lag (t-factor) =		RFG = delta/(t-factor x risk) =			
	-0.70		Risk factor =		$REG = delta/(t_factor)$	r x risk) =		

Site/Project Name		Application Numbe	er		Assessment Area Name	or Number	
Gulf NFRC Pha	se 3		W-GOL-335				
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation Site? Assessment Ar			
630				E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features		Uniqueness (considering the relative rarity in relation to the regional landscape.)					
Interst		No	t rare i	n relation to regional la	ndscape		
Functions	Mitigation for pre	vious p	permit/other historic us	е			
Wildlife habitat, wa	ter treatment and storag	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name		Application Number	Assessment	Area Name or Number
Gulf NFRC F	Phase 3			W-GOL-335
Impact or Mitigation		Assessment conducted by:	Assessment	
Impact (Cle	earing)	M. Harrington		4/16/2019
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each indicator is based on	Condition is optimal and	Condition is less than	Minimal layal of auguar	of Condition is insufficient to
what would be suitable	fully supports wetland/surface water	optimal, but sufficient to maintain most	Minimal level of support wetland/surface wate	
for the type of wetland or surface water assessed	functions	wetland/surface waterfunctions	functions	functions
surface water assessed		waterrunctions		
.500(6)(a) Location and Landscape Support w/o pres or current with 6 5	landscape support variable herbaceous community. Ind (reduced by proximity of bus access to and from outside distance or barriers = 7 (dow 1 by outside land uses = 6 (sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limi	oss of contiguous forested Support to wildlife listed i pecies = 5 (moderate cov roads); d) functions that be ted by roads and ditching ologically connected area	parcels and conversion to n Part 1 by outside habitats = 6 erage of Lygodium); c) Wildlife enefit fish & wildlife downstream- t e) Impacts to wildlife listed in Part s downstream of assessment area
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (i consistent with expected; d) evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	normal; b) water level indicate) soil erosion or deposition = ((normal); f) vegetation comm tion = 7; h) use by animal spe of and associated with water	parary turbidity impacts. Income ors = 8, (consistent with e 6, (existing erosion from r unity zonation = 7 (typical eccies with specific hydrolo quality degradation = 7; j)	dividual parameter scores: a) xpected); c) soil moisture = 7, padway, adjacent landuses); e) for forested wetland); g)
.500(6)(c)Community structure 1. Vegetation and/or	compared to existing foreste	ed system. Individual paramo	eter scores: a) plant comr	significant loss of functional value nunity species in the canopy, = 7, (very little nuisance species);
2. Benthic Community w/o pres or current with 7 3	 c) regeneration and recruitn wetland); e) density and quartering 	nent = 7, (consistent with exp ality of coarse woody debris, h) topographic features = 7,	ected); d) age & size distr snag, den, and cavity = 6;	ibution = 7, (typical of forested f) plant condition = 8, ; g) land
Score = sum of above scores/30 (if	If preservation as miti	gation,		assessment areas
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = de	elta x acres =
		elta =	0.17x0	0.799 = 0.136
ourient pr w/o pres with 0.67 0.5	Adjusted mitigation de			
or w/o pres with				
or w/o pres with	If mitigation		For mitigation	assessment areas
or w/o pres with			For mitigation RFG = delta/(t-fact	assessment areas

Site/Project Name		Application Number		Assessment Area Name or Number		
	IFRC Phase	e 3				W-GOL-335
					Accordent	
Impact or Mitigation	npact (Fill)		Assessment conducted by: M. Harrington		Assessment date	e: 4/16/2019
Iff	ipact (Fill)		M. Harrington			4/10/2019
Scoring Guidance		Optimal (10)	Moderate(7)	Mir	nimal (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	ased on e suitable wetland or		Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions		Condition is insufficient to provide wetland/surface water functions
.500(6)(a) Location an Landscape Support w/o pres or current v 6	d lanc hert (red acc dist	Iscape support variable paceous community. Inc luced by proximity of bu ess to and from outside ance or barriers = 7 (do v outside land uses = 6	wnstream flow somewhat lim	oss of contig) Support to v species = 5 (i roads); d) fur ited by roads rologically co	uous forested par wildlife listed in Pa moderate coverage nctions that benef and ditching; e) unnected areas do	rcels and conversion to art 1 by outside habitats = 6 ge of Lygodium); c) Wildlife fit fish & wildlife downstream- Impacts to wildlife listed in Par ownstream of assessment area
.500(6)(b)Water Environn (n/a for uplands) w/o pres or current v	nent fres wate con evic hyd veg = 6,	hwater marsh, although er levels and flows = 8 (sistent with expected; d lence of fire history = 7 rologic stress on vegeta etative species tolerant		orary turbidity tors = 8, (con 6, (existing e nunity zonation becies with sp r quality degra	y impacts. Individual sistent with experiences on from road on = 7 (typical for becific hydrologica adation = 7; j) dire	tual parameter scores: a) cted); c) soil moisture = 7, way, adjacent landuses); e) forested wetland); g)
.500(6)(c)Community stru 1. Vegetation and/or 2. Benthic Community w/o pres or current v	Clea com shru y c) re weti mar	npared to existing forest ub, or ground stratum = egeneration and recruitr and); e) density and qua	ed system. Individual param 7, ; b) invasive exotics or ot nent = 7, (consistent with exp ality of coarse woody debris, , h) topographic features = 7,	neter scores: her invasive pected); d) aç snag, den, a	a) plant communi plant species = 7 ge & size distribut nd cavity = 6; f) p	, (very little nuisance species); ion = 7, (typical of forested plant condition = 8, ; g) land
Score = sum of above scores/ uplands, divide by 20) current pr w/o pres	'30 (if with 0	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		For impact asse FL = delta FL: 0.005 ac. x	x acres =
0.67						
0.67		If mitigation			For mitigation as	sessment areas
0.67 Delta = [with-current]		If mitigation Time lag (t-factor) =			For mitigation as	sessment areas

Site/Project Name		Application Number	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-336A
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size
630					Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.0	DFW, AP, other local/state/federa	al designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cin	plante sweetg etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			Uniqueness (co regional landsca		ring the relative rarity in	relation to the
Interst	ate highway		Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious	permit/other historic us	е
Wildlife habitat, wa	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SS	by Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna				use by wading birds suc blue heron (SSC), sno tricolor heron (SSC).	
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name			Application Number	Asse	essment Area	a Name or Number	
G	ulf NFRC F	Phase 3			,	W-GOL-336A	
Impact or Mitigation			Assessment conducted by: Assessment da			ate [,]	
	Impact (Cle	earing)	M. Harrington			4/16/2019	
			-				
Scoring Guidance The scoring of each		Optimal (10)	Moderate(7) Condition is less than	Minima	l (4)	Not Present (0)
indicator is based or what would be suitabl for the type of wetland surface water assesse	n le or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level o wetland/surfa functio	ace water	Condition is insuffic provide wetland/surfa functions	
.500(6)(a) Locatio Landscape Sup w/o pres or current 6		landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 6	sociated with clearing the tran for wetland forests through lo dividual parameter scores: a sy roads; b) Invasive exotic s = 6 (reduced to proximity of wnstream flow somewhat lim (adjacent to highway); f) Hydi nstream areas on assessmen	oss of contiguous) Support to wildlif species = 5 (mode roads); d) functior ited by roads and rologically connec	forested part fe listed in Part erate coverages that benef ditching; e) l ted areas do	cels and conversion to art 1 by outside habital ge of Lygodium); c) Wi it fish & wildlife downs mpacts to wildlife liste wnstream of assessm	ts = 6 Idlife tream- d in Par ent area
.500(6)(b)Water Env (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	nporarily impact the water en silt fencing will reduce tempo normal; b) water level indicat) soil erosion or deposition = (normal); f) vegetation comm ation = 7; h) use by animal sp of and associated with water () existing water quality data =	orary turbidity imp tors = 8, (consiste 6, (existing erosic nunity zonation = 7 becies with specific r quality degradation	acts. Individ nt with expect on from roadw 7 (typical for f c hydrologica on = 7; j) dire	ual parameter scores: ted); c) soil moisture = way, adjacent landuse forested wetland); g) I requirements = 7; i) ect observation of wate	= 7́, s); e) er quality
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm w/o pres or current 7	nd/or	compared to existing forest shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qu	vert the system to a freshwat ed system. Individual param 7, ; b) invasive exotics or ot nent = 7, (consistent with exp ality of coarse woody debris, , h) topographic features = 7, r.	neter scores: a) pla her invasive plant pected); d) age & s snag, den, and ca	ant communi species = 7, size distributi avity = 6; f) p	ty species in the cano (very little nuisance s ion = 7, (typical of fore lant condition = 8, ; g)	py, pecies) <u>;</u> sted land
Score = sum of above sc uplands, divide by current pr w/o pres		If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =	For	FL = delta >	ssment areas x acres = 61 = 0.316	
0.67							
0.67		If mitigation					
0.67 Delta = [with-cur	rent]	If mitigation Time lag (t-factor) =		For n	nitigation ass	essment areas	

Site/Project Name				Application Number	Asse	Assessment Area Name or Number		
	Gu	If NFRC F	Phase 3				W-GOL-336A	
Impact or	Mitigation			Assessment conducted by:	Ass	essment date	ssment date:	
I	5	Impact (Fill)	M. Harrington			4/16/2019	
0		_				1.4		<u></u>
	ng Guidance oring of each		Optimal (10)	Moderate(7) Condition is less than	Minima	1 (4)	Not Present (0))
indicato what wou for the typ	or is based on uld be suitable be of wetland o vater assessed	or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level o wetland/surfa functio	ace water	Condition is insufficie provide wetland/surface functions	
	(6)(a) Location ndscape Supp r		landscape support variable herbaceous community. In (reduced by proximity of bu access to and from outside distance or barriers = 7 (dc 1 by outside land uses = 6	sociated with clearing the trans of or wetland forests through lo dividual parameter scores: a) usy roads; b) Invasive exotic s e = 6 (reduced to proximity of no ownstream flow somewhat limi (adjacent to highway); f) Hydr nstream areas on assessmer	oss of contiguous Support to wildlif pecies = 5 (mode roads); d) function ted by roads and rologically connect	forested par fe listed in Pa erate coverages ns that bene ditching; e) cted areas do	rcels and conversion to art 1 by outside habitats ge of Lygodium); c) Wild fit fish & wildlife downstr Impacts to wildlife listed ownstream of assessme	dlife ream- I in Part ent area
	/b)Water Envir h/a for uplands r		freshwater marsh, although water levels and flows = 8 consistent with expected; c evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	mporarily impact the water env n silt fencing will reduce tempo (normal; b) water level indicate l) soil erosion or deposition = (normal); f) vegetation comm ation = 7; h) use by animal spe c of and associated with water ζ) existing water quality data =	orary turbidity imp ors = 8, (consiste 6, (existing erosic unity zonation = 7 ecies with specific quality degradati	acts. Individent with experion from road 7 (typical for c hydrologica on = 7; j) dire	dual parameter scores: cted); c) soil moisture = way, adjacent landuses) forested wetland); g) al requirements = 7; i) ect observation of water	7́,); e) r quality
1. \	c)Community : Vegetation and enthic Commu	d/or	compared to existing fores shrub, or ground stratum = c) regeneration and recruit wetland); e) density and qu	vert the system to a freshwate ted system. Individual param 7, ; b) invasive exotics or oth ment = 7, (consistent with exp lality of coarse woody debris, , h) topographic features = 7, r.	eter scores: a) pla ner invasive plant pected); d) age & snag, den, and ca	ant commun species = 7 size distribut avity = 6; f) p	ity species in the canopy , (very little nuisance sp tion = 7, (typical of fores plant condition = 8, ; g) la	y, becies); sted and
	im of above sco ands, divide by:		If preservation as mit		For	impact asse FL = delta	essment areas	
current	,,, y		Preservation adjustm	ent factor =				
or w/o pres 0.67	3 [with 0	Adjusted mitigation d	elta =	FI	_: 0.01 ac. x	0.67 = 0.007	
0.07		U						
_			If mitigation		For r	nitigation as	sessment areas	
Delt	ta = [with-curre	ent]	Time lag (t-factor) =		RFG = de	lta/(t-factor x	(risk) =	
	-0.67		Risk factor =				,	

Site/Project Name		Application Number	er	A	ssessment Area Name	or Number	
Gulf NFRC Pha	ise 3				W-GO	L-337B	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	xisting Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.OF	W, AP, other local/state/federa	I designation of importance)	
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	lands			
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	6.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.), water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	f planted sweetgu etto. The namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		ng the relative rarity in	relation to the	
Interst	tate highway		Not rare in relation to regional landscape				
Functions			Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and stora	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	/ Listed Species (List s), type of use, and inte		
Wading bir	rds, herpetofauna), little b	e by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as tracl	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name				Application Number	Assess	Assessment Area Name or Number		
	Gu	ulf NFRC F	Phase 3			W-GOL-337	В	
Impact or I	Mitigation			Assessment conducted by:	Assessment conducted by: Assessment date			
ŗ	-	mpact (Cle	earing)	M. Harrington		4/16/2019		
	0.11							
	g Guidance oring of each	_	Optimal (10)	Moderate(7) Condition is less than	Minimal (4	4) NOT H	Present (0)	
what wou for the type	r is based on uld be suitable be of wetland o vater assesse	e or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to	Minimal level of s wetland/surface functions	water provide wet	is insufficient to land/surface wate unctions	
	6)(a) Locatior ndscape Supp		landscape support variab herbaceous community. I (reduced by proximity of b access to and from outsic distance or barriers = 7 (c 1 by outside land uses =	issociated with clearing the tran le for wetland forests through le ndividual parameter scores: a busy roads; b) Invasive exotic s de = 6 (reduced to proximity of downstream flow somewhat lim 6 (adjacent to highway); f) Hyd wynstream areas on assessmen	oss of contiguous fo) Support to wildlife species = 5 (modera roads); d) functions ited by roads and di rologically connecte	rested parcels and cor isted in Part 1 by outsi te coverage of Lygodiu that benefit fish & wild tching; e) Impacts to w d areas downstream of	nversion to ide habitats = 6 um); c) Wildlife life downstream- rildlife listed in Par f assessment area	
	b)Water Envii /a for uplands		freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = hydrologic stress on vege vegetative species toleral	emporarily impact the water en gh silt fencing will reduce temp 3 (normal; b) water level indicat d) soil erosion or deposition = 7 (normal); f) vegetation comm etation = 7; h) use by animal sp nt of and associated with water K) existing water quality data =	orary turbidity impactors = 8, (consistent 6, (existing erosion nunity zonation = 7 (fectors with specific here quality degradation	 ts. Individual paramet with expected); c) soil from roadway, adjacer ypical for forested wet ydrological requiremer = 7; j) direct observati 	er scores: a) moisture = 7, nt landuses); e) land); g) nts = 7; i) on of water quality	
1. V	c)Community /egetation an enthic Commu	d/or	compared to existing fore shrub, or ground stratum = 6, (some nuisance spec distribution = 5, (typical or 4; f) plant condition = 6, ;	envert the system to a freshwat ested system. Individual param = 5 (lacking shrubs and ground cies); c) regeneration and recru f forested wetland); e) density a g) land management practices nt communities = 5 (moderate)	eter scores: a) plan dcover); b) invasive itment = 4, (consiste and quality of coarse = 5, h) topographic	community species in exotics or other invasi ent with expected); d) a woody debris, snag, d	a the canopy, ive plant species age & size den, and cavity =	
	m of above sco ands, divide by		If preservation as m	nitigation,		ipact assessment area L = delta x acres =	as	
current	anus, uiviue by	20)	Preservation adjust	ment factor =				
or w/o pres	; I	with	Adjusted mitigation	delta =	C	.1x1.764 = 0.176		
0.60		0.5]					
			If mitigation		For mit	gation assessment are	eas	
Delta	a = [with-curr	ent]	Time lag (t-factor) =	-				
						(t-factor x risk) =		

Site/Project Name			Application Number	Assessment Ar	Assessment Area Name or Number		
	Gulf NFRC I	Phase 3			W-GOL-337B		
Impact or Mitigation			Assessment conducted by:	Assessment da			
Impact of Milligation	Impact (′Fill)	M. Harrington	Assessment da	4/16/2019		
	inipaoti				4/10/2010		
Scoring Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
The scoring of eac indicator is based what would be suita for the type of wetlar surface water asses	on ble nd or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support o wetland/surface water functions	f Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Locat Landscape Su w/o pres or current 6		landscape support variable herbaceous community. Ind (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 6	wnstream flow somewhat limit	ss of contiguous forested p Support to wildlife listed in l pecies = 5 (moderate cover oads); d) functions that ben ted by roads and ditching; e ologically connected areas	arcels and conversion to Part 1 by outside habitats = 6 age of Lygodium); c) Wildlife efit fish & wildlife downstream-) Impacts to wildlife listed in Part downstream of assessment area		
.500(6)(b)Water Er (n/a for uplar w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant		rary turbidity impacts. Indiv ors = 8, (consistent with exp 6, (existing erosion from roa unity zonation = 7 (typical fo ecies with specific hydrologi quality degradation = 7; j) d	idual parameter scores: a) ected); c) soil moisture = 7, dway, adjacent landuses); e) r forested wetland); g)		
.500(6)(c)Communi 1. Vegetation 2. Benthic Com w/o pres or	and/or munity	compared to existing forest shrub, or ground stratum = = 6, (some nuisance specie distribution = 5, (typical of f 4; f) plant condition = 6, ; g	ted system. Individual parame 5 (lacking shrubs and ground es); c) regeneration and recrui orested wetland); e) density a	eter scores: a) plant commu cover); b) invasive exotics tment = 4, (consistent with 6 nd quality of coarse woody = 5, h) topographic features	or other invasive plant species		
current 5	with 0						
	0 scores/30 (if	If preservation as mit Preservation adjustm Adjusted mitigation de	ent factor =	FL = delta	sessment areas a x acres = x 0.60 = 0.006		
5 Score = sum of above : uplands, divide current pr w/o pres	0 scores/30 (if by 20) with	Preservation adjustm Adjusted mitigation d	ent factor =	FL = delt	a x acres = x 0.60 = 0.006		
5 Score = sum of above : uplands, divide current pr w/o pres	0 scores/30 (if by 20) with 0	Preservation adjustm	ent factor =	FL = delt	a x acres =		

Site/Project Name		Application Numbe	er	/	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-338B
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
621				E	xisting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.O	FW, AP, other local/state/federa	al designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	rologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	r forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description						
The canopy stratum in the cyrpess and loblolly pine along the edges.			ss and swamp tup	oelo. Th	ne shrub and groundco	over alyers are sparse.
Significant nearby features		Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Interst	ate highway		No	ot rare ii	n relation to regional la	ndscape
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wat	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna), little l	se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).	
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name			Application Number	Assessmen	Assessment Area Name or Number		
C	Gulf NFRC I	Phase 3			W-GOL-338B		
Impact or Mitigation			Assessment conducted by:	Assessmen	t date:		
	Impact (Cle	earing)	M. Harrington		4/16/2019		
L			~	!			
Scoring Guidance The scoring of each		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is based o what would be suitab for the type of wetland surface water assess	n Ile I or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of suppo wetland/surface wat functions			
.500(6)(a) Locatio Landscape Sup w/o pres or current 6		landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 6	sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limit	ss of contiguous foreste Support to wildlife listed becies = 5 (moderate co bads); d) functions that l ed by roads and ditching blogically connected are	d parcels and conversion to in Part 1 by outside habitats = 6 verage of Lygodium); c) Wildlife benefit fish & wildlife downstream- g; e) Impacts to wildlife listed in Part as downstream of assessment area		
.500(6)(b)Water Env (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	normal; b) water level indicato) soil erosion or deposition = 6 (normal); f) vegetation commu ation = 7; h) use by animal spe of and associated with water	rary turbidity impacts. In rs = 8, (consistent with 6, (existing erosion from unity zonation = 7 (typica cies with specific hydrol quality degradation = 7;	ndividual parameter scores: a) expected); c) soil moisture = 7, roadway, adjacent landuses); e) al for forested wetland); g)		
.500(6)(c)Communit 1. Vegetation a 2. Benthic Comm	nd/or	compared to existing forest shrub, or ground stratum = = 6, (some nuisance specie distribution = 5, (typical of f	ed system. Individual parame 5 (lacking shrubs and ground es); c) regeneration and recrui orested wetland); e) density a	eter scores: a) plant com cover); b) invasive exot tment = 4, (consistent w nd quality of coarse woo			
w/o pres or current 5	with 3		communities = 5 (moderate).	= 5, h) topographic featu	dy debris, snag, den, and cavity = .res = 6, ; i) siltation or algal growth		
current	3 cores/30 (if	in submerged aquatic plant	communities = 5 (moderate). gation,	For impact			
Score = sum of above so uplands, divide b	3 cores/30 (if	in submerged aquatic plant	communities = 5 (moderate). gation, ent factor =	For impact	ires = 6, ; i) siltation or algal growth assessment areas		
Score = sum of above so uplands, divide b current pr w/o pres	3 cores/30 (if y 20) with	in submerged aquatic plant If preservation as miti Preservation adjustm Adjusted mitigation de	communities = 5 (moderate). gation, ent factor =	For impact FL = c 0.1xC	ares = 6, ; i) siltation or algal growth assessment areas Jelta x acres = 0.664 = 0.067		
Score = sum of above so uplands, divide b current pr w/o pres	3 cores/30 (if y 20) with 0.5	in submerged aquatic plant	communities = 5 (moderate). gation, ent factor =	For impact FL = c 0.1xC	ures = 6, ; i) siltation or algal growth assessment areas Jelta x acres =		

Site/Project Name		Application Number	er		Assessment Area Name	or Number	
Gulf NFRC Pha	ase 3				W-GC	DL-339	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.O	FW, AP, other local/state/federa	I designation of importance)	
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.), water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		ing the relative rarity in	relation to the	
Interst	tate highway		Not rare in relation to regional landscape				
Functions			Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and stora	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte		
Wading bir	rds, herpetofauna				se by wading birds suc blue heron (SSC), sno tricolor heron (SSC).		
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name		Application Number	Asses	sment Are	a Name or Number	
Gulf NFRC	Phase 3				W-GOL-339	
Impact or Mitigation		Assessment conducted by:	Asses	Assessment date:		
Impact of Miligation Impact (Cl	earing)	M. Harrington	73303	Shich dat	4/16/2019	
· · · · ·						
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)
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 maintain most wetland/surface waterfunctions	Minimal level of s wetland/surface functions	e water	Condition is insufficie provide wetland/surfac functions	
.500(6)(a) Location and Landscape Support w/o pres or current with 6 5	landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 6	sociated with clearing the trans for wetland forests through lo lividual parameter scores: a) sy roads; b) Invasive exotic sy = 6 (reduced to proximity of r wnstream flow somewhat limit (adjacent to highway); f) Hydro nstream areas on assessmen	ss of contiguous fo Support to wildlife becies = 5 (modera bads); d) functions ed by roads and di blogically connecte	orested par listed in Pa ate coverag that benef tching; e) d areas do	cels and conversion to art 1 by outside habitats ge of Lygodium); c) Wild fit fish & wildlife downstr Impacts to wildlife listed ownstream of assessme	llife eam- ∣in Part nt area
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	nporarily impact the water env silt fencing will reduce tempo normal; b) water level indicato) soil erosion or deposition = 6 (normal); f) vegetation commu- tion = 7; h) use by animal spe of and associated with water) existing water quality data =	rary turbidity impactors = 8, (consistent 6, (existing erosion anity zonation = 7 (ecies with specific h quality degradation	ts. Individ with exped from road typical for ydrologica (= 7; j) dire	tual parameter scores: cted); c) soil moisture = way, adjacent landuses forested wetland); g) al requirements = 7; i) ect observation of water	7́,); e) ⁻ quality
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5 3	compared to existing forest shrub, or ground stratum = = 6, (some nuisance specie distribution = 5, (typical of fo 4; f) plant condition = 6, ; g)	vert the system to a freshwate ed system. Individual parame 5 (lacking shrubs and ground ess); c) regeneration and recrui orested wetland); e) density a land management practices communities = 5 (moderate).	eter scores: a) plan cover); b) invasive tment = 4, (consist nd quality of coarse = 5, h) topographic	t communi e exotics or ent with ex e woody de	ty species in the canop other invasive plant sp (pected); d) age & size (bris, snag, den, and ca	y, ecies ivity =
	If preservation as miti	gation,	For in	npact asse	essment areas	
Score = sum of above scores/30 (if		ant factor -		L = delta		
uplands, divide by 20)	Preservation adjustme	ent lactor =				
	Preservation adjustm Adjusted mitigation de			0.1x0.693		
uplands, divide by 20) current				0.1x0.693		
uplands, divide by 20) current or w/o pres with	Adjusted mitigation de				= 0.069	
uplands, divide by 20) current or w/o pres with						

Site/Project Name	Site/Project Name Application Nur				ber Assessment Area Name or Number		
Gulf NFRC Pha	se 3				W-GO	L-340A	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	xisting Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ae groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		ng the relative rarity in	relation to the	
Interstate highway			Not rare in relation to regional landscape				
Functions			Mitigation for pre	vious p	permit/other historic us	e	
Wildlife habitat, wa	ter treatment and storag	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte		
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name		Application Number	Assessment Ar	Assessment Area Name or Number		
Gulf NFR0	CPhase 3			W-GOL-340A		
Impact or Mitigation		Assessment conducted by:	Assessment da			
Impact of Miligation Impact (0	Clearing)	M. Harrington		4/16/2019		
		-				
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
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 maintain most wetland/surface waterfunctions	Minimal level of support o 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 5	landscape support variable herbaceous community. Ind (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 6	wnstream flow somewhat limit	ss of contiguous forested p Support to wildlife listed in pecies = 5 (moderate cover oads); d) functions that ben ted by roads and ditching; e ologically connected areas	arcels and conversion to Part 1 by outside habitats = 6 age of Lygodium); c) Wildlife efit fish & wildlife downstream-) Impacts to wildlife listed in Part downstream of assessment area		
 .500(6)(b)Water Environment (n/a for uplands) Wo pres or current with 7 7 7 Clearing the canopy will temporarily impact the water environment variable, converting forested system to freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter score score with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent land evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7 vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of we penetration = N/A. 						
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 5 3	Clearing of canopy will com compared to existing forest shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density a	ted system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody de	eter scores: a) plant commu cover); b) invasive exotics nent = 5, (consistent with ex ebris, snag, den, and cavity	or other invasive plant species		
Score = sum of above scores/30 (if uplands, divide by 20) If preservation as mitigation, For impact assessment areas current Preservation adjustment factor = FL = delta x acres =						
pr w/o pres with 0.60 0.5	Adjusted mitigation d	elta =	FL: 1.651 a	c. x 0.1= 0.165		
	If mitigation					
Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigation a	ssessment areas		

Site/Project Name		Application Numbe	r		Assessment Area Name	or Number	
Gulf NFRC Phas	se 3				W-GO	L-341A	
FLUCCs code	Further classifica	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630			Existing Condition				
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.C	FW, AP, other local/state/federal	designation of importance)	
Ochlockonee River							
Geographic relationship to and hyd	rologic connection with	wetlands, other su	urface water, uplai	nds			
Assessment area is surrounded by	low density residential	development, doe	s not connect to v	vetlanc	ls		
Assessment area description							
This adjacent to a beaver pond (GC along the edges and interior. Surro							
Significant nearby features			Uniqueness (co landscape.)	nsideri	ng the relative rarity in	relation to the regional	
Commercial development, roadways			Not rare in relation to regional landscape				
Functions			Mitigation for pre	vious p	permit/other historic use	9	
Wildlife habitat, wat	er treatment and storag	ge			N/A		
Anticipated Wildlife Utilization Base that are representative of the asses be found)				T, SSC	y Listed Species (List s C), type of use, and inte		
Wading bire	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Utiliz	zation (List species dire	ctly observed, or o	other signs such a	is tracł	ks, droppings, casings,	nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name				Application Number	Assessment	Assessment Area Name or Number		
	Gu	ulf NFRC F	hase 3			W-GOL-341A		
Impact or	Mitigation			Assessment conducted by:	Assessment	date:		
	-	mpact (Cle	earing)	M. Harrington		4/16/2019		
	ng Guidance coring of each			Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicate what wo for the ty	or is based on ould be suitable pe of wetland o water assesse	e or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support wetland/surface water functions			
	(6)(a) Locatior ndscape Supp or		landscape support variable herbaceous community. Ir (reduced by proximity of b access to and from outsid distance or barriers = 7 (d in Part 1 by outside land u	usy roads); b) Invasive exotic s e = 6 (reduced to proximity of r	oss of contiguous forested Support to wildlife listed in species = 5 (moderate cov roads); d) functions that be ted by roads and develop f) Hydrologically connected	parcels and conversion to n Part 1 by outside habitats = 6 rerage of Lygodium); c) Wildlife enefit fish & wildlife downstream- nent; e) Impacts to wildlife listed ed areas downstream of		
 Sou(6)(b)Water Environment (n/a for uplands) Wo pres or current with 7 7 7 7 Clearing the canopy will temporarily impact the water environment variable, converting forested system freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scatter levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moist consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent land evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 100000000000000000000000000000000000					lividual parameter scores: a) (pected); c) soil moisture = 7, padway, adjacent landuses); e) for forested wetland); g) gical requirements = 7; i) direct observation of water quality			
1.	(c)Community Vegetation and Benthic Commu	d/or	compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density	sted system. Individual parame = 5 (lacking shrubs and ground s); c) regeneration and recruitm and quality of coarse woody d es = 5, h) topographic features	eter scores: a) plant comn lcover); b) invasive exotic nent = 5, (consistent with e ebris, snag, den, and cavi	s or other invasive plant species		
	um of above sco		If preservation as m	itigation,		ssessment areas		
current	lands, divide by	20)	Preservation adjustr	nent factor =	FL = de	lta x acres =		
or w/o pres 0.63	s	with 0.50	Adjusted mitigation o	delta =	0.13x0.	105= 0.014		
5.00		0.00	l					
			If mitigation		For mitigation			
	Delta = [with-current] Time lag (t-factor) =			1	i or magadon	assessment areas		
Del	lta = [with-curr	ent]	Time lag (t-factor) =		RFG = delta/(t-fact			

Site/Project Name	Site/Project Name Application Nu				ber Assessment Area Name or Number		
Gulf NFRC Pha	se 3				W-GO	L-342A	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands			
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetgi etto. Th namon	d loblolly pine along th um. The shrub stratum ae groundcover compri fern, blackberry, grape	e edges. The comprises highbush ises of a variety of e vine, and shield ferns	
Significant nearby features			Uniqueness (co regional landsca		ng the relative rarity in	relation to the	
Interstate highway and other roads			Not rare in relation to regional landscape				
Functions			Mitigation for pre	evious p	permit/other historic us	е	
Wildlife habitat, wa	ter treatment and stora	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte		
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as trac	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name			Application Number	Assessment Ar	Assessment Area Name or Number		
C	Gulf NFRC F	Phase 3			W-GOL-342A		
Impact or Mitigation			Assessment conducted by:	Assessment da	te:		
	Impact (Cle	earing)	M. Harrington		4/16/2019		
Scoring Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
The scoring of each indicator is based o what would be suitab for the type of wetland surface water assess	n Ile I or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	f Condition is insufficient to provide wetland/surface water functions			
.500(6)(a) Locatio Landscape Sup w/o pres or <u>current</u> 6		landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 6	wnstream flow somewhat limit	ss of contiguous forested p Support to wildlife listed in l pecies = 5 (moderate cover oads); d) functions that ben ted by roads and ditching; e ologically connected areas	arcels and conversion to Part 1 by outside habitats = 6 age of Lygodium); c) Wildlife efit fish & wildlife downstream-) Impacts to wildlife listed in Part downstream of assessment area		
 .500(6)(b)Water Environment (n/a for uplands) W/o pres or current with 7 7 7 7 Clearing the canopy will temporarily impact the water environment variable, converting forested system to the water indicators = 8, (consistent with expected); c) soil moist (consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent land); hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7 					idual parameter scores: a) ected); c) soil moisture = 7, dway, adjacent landuses); e) r forested wetland); g) cal requirements = 7; i) rect observation of water quality		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community W/o pres or current with 6 3					nity species in the canopy, invasive plant species = 7, (few rutiment); d) age & size = 5; f) plant condition = 7, ; g)		
Score = sum of above s uplands, divide b current or w/o pres	y 20) with	If preservation as miti Preservation adjustm Adjusted mitigation de	ustment factor =				
0.63	0.5]					
Delta = [with-cu	rrent]	If mitigation Time lag (t-factor) =		For mitigation a	ssessment areas		
Delta = [with-current] Time lag (t-factor) =							

Site/Project Name		Application Numbe	ber Assessment Area Name or Number				
Gulf NFRC Pha	se 3			W-GC	DL-343		
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation Site?	Assessment Area Size		
630	630			Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.OFW, AP, other local/state/feder	al designation of importance)		
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ commercial developm	ent and roads, ar	d connects to oth	er wetland systems.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelypteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi /eetbay, Americar , Florida anise, ar	th occurrences of hornbeam, and s nd bluestem palme	planted loblolly pine along th sweetgum. The shrub stratum etto. The groundcover compr	he edges. The n comprises highbush ises of a variety of		
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Commercial development, roadways			Not rare in relation to regional landscape				
Functions			Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				ation by Listed Species (List T, SSC), type of use, and int a)			
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as tracks, droppings, casing	s, nests, etc.):		
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

what would be suitable for the type of wetland or surface water assessed	e 3	Application Number Assessment conducted by: M. Harrington Moderate(7) Condition is less than optimal, but sufficient to maintain most	Assessment da	W-GOL-343 te: 4/16/2019 Not Present (0)		
Impact or Mitigation Impact (Clearing Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	g) Optimal (10) ondition is optimal and fully supports wetland/surface water	M. Harrington Moderate(7) Condition is less than optimal, but sufficient to	Minimal (4)	te: 4/16/2019		
Impact (Clearing 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) ondition is optimal and fully supports wetland/surface water	M. Harrington Moderate(7) Condition is less than optimal, but sufficient to	Minimal (4)	4/16/2019		
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) ondition is optimal and fully supports wetland/surface water	Moderate(7) Condition is less than optimal, but sufficient to				
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	ondition is optimal and fully supports wetland/surface water	Condition is less than optimal, but sufficient to		Not Present (0)		
indicator is based on what would be suitable for the type of wetland or surface water assessed	fully supports wetland/surface water	optimal, but sufficient to				
		wetland/surface waterfunctions	optimal, but sufficient to maintain most wetland/surface functions			
.500(6)(a) Location and Landscape Support w/o pres or current with of as	discape support variable for baceous community. Individuced by proximity of bus odium); c) Wildlife access llife downstream-distance llife listed in Part 1 by out	y roads and development); b s to and from outside = 6 (re or barriers = 7 (downstream	ss of contiguous forested pa Support to wildlife listed in F) Invasive exotic species = 5 duced to proximity of roads) n flow somewhat limited by ro to highway); f) Hydrological	arcels and conversion to Part 1 by outside habitats = 6 5 (moderate coverage of ; d) functions that benefit fish & pads and ditching; e) Impacts to ly connected areas downstream		
 .500(6)(b)Water Environment (n/a for uplands) Wo pres or current with 7 7 7 7 Clearing the canopy will temporarily impact the water environment variable, converting forested system freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter so water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil mois consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent lane vidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of a point of and associated with water quality degradation = 7; j) water depth wave, wave energy, current with 						
.500(6)(c)Community structure Clearing of canopy will convert the system to a freshwater marsh community with significant loss compared to existing forested system. Individual parameter scores: a) plant community species shrub, or ground stratum = 5 (lacking shrubs and groundcover); b) invasive exotics or other inva = 7, (few nuisance species); c) regeneration and recruitment = 5, (consistent with expected); d) a distribution = 5; e) density and quality of coarse woody debris, snag, den, and cavity = 5; f) plant and management practices = 5, h) topographic features = 7, ; i) siltation or algal growth in submet communities = 7 (normal).						
Score = sum of above scores/30 (if uplands, divide by 20) (if uplands, divide by 20) current (if uplands, divide by 20) or w/o pres with 0.60 0.5	If preservation as mitig Preservation adjustme Adjusted mitigation del	ustment factor = FL = delta x acres =				
	If mitigation		For mitigation or	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =					
-0.10	Risk factor =		RFG = delta/(t-factor	x risk) =		

Site/Project Name	Site/Project Name Application Nu				ber Assessment Area Name or Number		
Gulf NFRC Pha	se 3				W-GC	DL-344	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	xisting Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.). among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetgi etto. Th namon	d loblolly pine along th um. The shrub stratum ae groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		ng the relative rarity in	relation to the	
Interstate highway			Not rare in relation to regional landscape				
Functions			Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and stora	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte		
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name			Application Number	Ass	Assessment Area Name or Number		
(Gulf NFRC F	Phase 3				W-GOL-344	
Impact or Mitigation			Assessment conducted by:	Ass	essment date	9:	
	Impact (Cle	earing)	M. Harrington			4/16/2019	
						····=	
The scoring of eac	Scoring Guidance Optimal (10) The scoring of each		Moderate(7) Condition is less than	Minima	l (4)	Not Present (0)
what would be suitat for the type of wetland	Condition is optimal and fully supports wetland/surface water surface water assessed			Minimal level o wetland/surfa functio	ace water	Condition is insuffic provide wetland/surfa functions	
.500(6)(a) Locati Landscape Su w/o pres or current 6		landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 6	sociated with clearing the tran- for wetland forests through lo lividual parameter scores: a) sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limit (adjacent to highway); f) Hydr nstream areas on assessmen	ss of contiguous Support to wildli pecies = 5 (mode oads); d) function ted by roads and ologically connect	forested par fe listed in Pa erate coverag ns that benef ditching; e) cted areas do	rcels and conversion to art 1 by outside habital ge of Lygodium); c) Wi fit fish & wildlife downs Impacts to wildlife liste ownstream of assessm	s = 6 Idlife tream- d in Part ent area
 .500(6)(b)Water Environment (n/a for uplands) W/o pres or current with 7 7 7 7 Clearing the canopy will temporarily impact the water environment variable, converting forested system to freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter score source of fire history = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moistic consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent land evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7 vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of the specific hydrologic stress on a runoff. K) existing water quality data = N/A; I) water depth wave, wave energy, current penetration = N/A. 					dual parameter scores: cted); c) soil moisture : way, adjacent landuse: forested wetland); g) al requirements = 7; i) ect observation of wate	= 7́, s); e) er quality	
.500(6)(c)Communit 1. Vegetation a 2. Benthic Comr w/o pres or <u>current</u> 5	ind/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	vert the system to a freshwate ed system. Individual parame 5 (lacking shrubs and ground ;; c) regeneration and recruitm and quality of coarse woody de s = 5, h) topographic features	eter scores: a) pl cover); b) invasi nent = 5, (consist ebris, snag, den,	ant communitive exotics of ent with expension and cavity =	ity species in the canor r other invasive plant s ected); d) age & size = 5; f) plant condition =	py, pecies 7, ; g)
Score = sum of above s uplands, divide b				For	· impact asse FL = delta	essment areas	
current	, 20,	Preservation adjustme	ent factor =			<u> </u>	
or w/o pres 0.60	with 0.5	Adjusted mitigation de	elta =		0.1x1.879	= 0.019	
0.00	0.0						
		If mitigation		For r	nitigation as	sessment areas	
Delta = [with-cu	nentj	Time lag (t-factor) =		RFG = de	lta/(t-factor x	: risk) =	
-0.10		Risk factor =					

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number		
			Assessment A			
Gult NFR	C Phase 3			W-GOL-344		
Impact or Mitigation		Assessment conducted by:	Assessment da	ate:		
Impa	et (Fill)	M. Harrington		4/16/2019		
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
The scoring of each	Condition is optimal and	Condition is less than		Not i resent (0)		
indicator is based on what would be suitable	fully supports	optimal, but sufficient to maintain most	Minimal level of support of wetland/surface water	f Condition is insufficient to provide wetland/surface water		
for the type of wetland or	wetland/surface water functions	wetland/surface	functions	functions		
surface water assessed	lunctions	waterfunctions				
.500(6)(a) Location and Landscape Support w/o pres or <u>current</u> with 6 0	landscape support variable herbaceous community. In (reduced by proximity of bu access to and from outside distance or barriers = 7 (dc 1 by outside land uses = 6	wnstream flow somewhat limit	ss of contiguous forested p Support to wildlife listed in pecies = 5 (moderate cover oads); d) functions that ber red by roads and ditching; e ologically connected areas	arcels and conversion to Part 1 by outside habitats = 6 age of Lygodium); c) Wildlife lefit fish & wildlife downstream- t) Impacts to wildlife listed in Part downstream of assessment area		
.500(6)(b)Water Environment (n/a for uplands)Clearing the canopy will temporarily impact the water environment variable, converting f freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individu water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected; consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadwa evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for fo hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological vegetative species tolerant of and associated with water quality degradation = 7; j) direct = 6, receives road runoff. K) existing water quality data = N/A; I) water depth wave, wav penetration = N/A.				vidual parameter scores: a) ected); c) soil moisture = 7, idway, adjacent landuses); e) or forested wetland); g) cal requirements = 7; i) irect observation of water quality		
.500(6)(c)Community structu 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5 0	Clearing of canopy will con compared to existing forest shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density a land management practice communities = 7 (normal).	eter scores: a) plant commu cover); b) invasive exotics nent = 5, (consistent with ex ebris, snag, den, and cavity	nificant loss of functional value inity species in the canopy, or other invasive plant species pected); d) age & size = 5; f) plant condition = 7, ; g) with in submerged aquatic plant			
Score = sum of above scores/30	(if If preservation as mit	igation,		sessment areas		
uplands, divide by 20) current	Preservation adjustm	ent factor =		a x acres =		
or w/o pres with 0.60 0	Adjusted mitigation d	elta =	x 0.60 = 0.009			
	If mitigation		For mitigation a	ssessment areas		
Delta = [with-current] -0.60	Time lag (t-factor) = Risk factor =		RFG = delta/(t-factor	x risk) =		
-0.00						

Site/Project Name	Application Number	er Assessment Area Name or Number			or Number			
Gulf NFRC Pha	se 3				W-GO	L-346A		
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size		
630				Existing Condition				
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.0	DFW, AP, other local/state/federa	al designation of importance)		
Ochlockonee River								
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands				
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.				
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cin	plante sweetg etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns		
Significant nearby features			Uniqueness (co regional landsca		ring the relative rarity in	relation to the		
Interstate highway			Not rare in relation to regional landscape					
Functions			Mitigation for previous permit/other historic use					
Wildlife habitat, wa	ter treatment and stora	ge			N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SS	by Listed Species (List s C), type of use, and inte			
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).					
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):		
Additional relevant factors:								
Assessment conducted by:			Assessment date	e(s):				
M. Harrington/M. Goff			4/16/2019					
Site/Project Name				Application Number	Assessmen	Assessment Area Name or Number		
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	Gu	IIf NFRC F	Phase 3			W-GOL-346A		
Impact or Mitigation				Assessment conducted by:	Assessmen	t date:		
	-	npact (Cle	earing)	M. Harrington		4/16/2019		
						· · · · •		
	ng Guidance coring of each	_	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
what wo for the ty	or is based on ould be suitable pe of wetland o water assesse	or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of suppo wetland/surface wate functions			
	(6)(a) Location ndscape Supp or		landscape support variable herbaceous community. Ir (reduced by proximity of b access to and from outside distance or barriers = 7 (de 1 by outside land uses = 6	usy roads; b) Invasive exotic s e = 6 (reduced to proximity of r ownstream flow somewhat limi	oss of contiguous foreste Support to wildlife listed pecies = 5 (moderate co roads); d) functions that l ted by roads and ditching ologically connected are	d parcels and conversion to in Part 1 by outside habitats = 6 verage of Lygodium); c) Wildlife penefit fish & wildlife downstream- g; e) Impacts to wildlife listed in Parl as downstream of assessment area		
· · · ·	(b)Water Envir n/a for uplands or		freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = 7 hydrologic stress on veget vegetative species toleran	(normal; b) water level indicate d) soil erosion or deposition = r (normal); f) vegetation comm ation = 7; h) use by animal spet t of and associated with water	prary turbidity impacts. In ors = 8, (consistent with 6 6, (existing erosion from unity zonation = 7 (typica ecies with specific hydrol quality degradation = 7;	ndividual parameter scores: a) expected); c) soil moisture = 7, roadway, adjacent landuses); e) I for forested wetland); g)		
1.	(c)Community Vegetation and Benthic Commu	d/or	compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density	sted system. Individual parame = 5 (lacking shrubs and ground s); c) regeneration and recruitn and quality of coarse woody d es = 5, h) topographic features	eter scores: a) plant com lcover); b) invasive exoti- nent = 5, (consistent with ebris, snag, den, and car	cs or other invasive plant species		
	um of above sco lands, divide by:		If preservation as mi			assessment areas elta x acres =		
current	ando, ando by	_0,	Preservation adjustn	nent factor =				
or w/o pres	s] [with	Adjusted mitigation of	delta =	0.1x3	704 = 0.370		
0.60		0.5						
			If mitigation					
					For mitigatio	n assessment areas		
Del	lta = [with-curre	ent]	Time lag (t-factor) =		For mitigatio RFG = delta/(t-fac			

Site/Project Name		Application Numbe	er	1	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-346B
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630	630			E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	d Waterbody (Class) Speci			FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious p	permit/other historic us	е
Wildlife habitat, wa	ter treatment and storag	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment Ar	ea Name or Number	
				1	
Gulf NFRC F	hase 3			W-GOL-346B	
Impact or Mitigation		Assessment conducted by:	Assessment da	te:	
Impact (Fill)	M. Harrington		4/16/2019	
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)	
The scoring of each	Condition is optimal and	Condition is less than	(4)		
indicator is based on what would be suitable	fully supports	optimal, but sufficient to maintain most	Minimal level of support of wetland/surface water	Condition is insufficient to provide wetland/surface water	
for the type of wetland or	wetland/surface water functions	wetland/surface	functions	functions	
surface water assessed	lunctions	waterfunctions			
.500(6)(a) Location and Landscape Support w/o pres or current with 6 5	landscape support variable herbaceous community. Ind (reduced by proximity of bus access to and from outside distance or barriers = 7 (dow 1 by outside land uses = 6 (wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in F becies = 5 (moderate covera bads); d) functions that bene ed by roads and ditching; e) blogically connected areas of	arcels and conversion to Part 1 by outside habitats = 6 age of Lygodium); c) Wildlife efit fish & wildlife downstream- I Impacts to wildlife listed in Part lownstream of assessment area	
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (r consistent with expected; d) evidence of fire history = 7 (hydrologic stress on vegetar vegetative species tolerant		rary turbidity impacts. Indiv ors = 8, (consistent with expe 8, (existing erosion from road unity zonation = 7 (typical for ecies with specific hydrologic quality degradation = 7; j) di	idual parameter scores: a) ected); c) soil moisture = 7, dway, adjacent landuses); e) forested wetland); g)	
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5 3	compared to existing foreste shrub, or ground stratum = 5 = 7, (few nuisance species), distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm nd quality of coarse woody de	eter scores: a) plant commu cover); b) invasive exotics o ent = 5, (consistent with exp ebris, snag, den, and cavity	or other invasive plant species	
Score = sum of above scores/30 (if	If preservation as mitig	gation,		essment areas	
uplands, divide by 20) current	Preservation adjustme	ent factor =		x acres =	
or w/o pres with 0.60 0.5	Adjusted mitigation de	elta =	FL: 0.011 ac.	x 0.10 = 0.001	
	1				
Della - falla d	If mitigation		For mitigation as	ssessment areas	
Delta = [with-current]	Time lag (t-factor) =		RFG = delta/(t-factor	x risk) =	
-0.10	Risk factor =		`	,	

Site/Project Name		Application Numbe	er	ŀ	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GOI	347A
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630	630			E	xisting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	d Waterbody (Class) Sp			FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	^r plante sweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for pre	evious p	ermit/other historic us	e
Wildlife habitat, wa	ter treatment and storag	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s), type of use, and inte	
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Proje	ct Name			Application Number	Assessmen	t Area Name or Number		
	Gu	ulf NFRC F	Phase 3			W-GOL-347A		
Impact or Mitigation				Assessment conducted by:	Assessmen	Assessment date:		
	-	mpact (Cle	earing)	M. Harrington		4/16/2019		
	<u> </u>							
	ng Guidance oring of each		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
what wou for the typ	or is based on uld be suitable pe of wetland water assesse	e or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of suppo wetland/surface wat functions			
	(6)(a) Locatior ndscape Supp r		landscape support variabl herbaceous community. Ir (reduced by proximity of b access to and from outsid distance or barriers = 7 (d 1 by outside land uses = 6	usy roads; b) Invasive exotic s e = 6 (reduced to proximity of r ownstream flow somewhat limi	ss of contiguous foreste Support to wildlife listed pecies = 5 (moderate co oads); d) functions that ted by roads and ditchin ologically connected are	d parcels and conversion to in Part 1 by outside habitats = 6 verage of Lygodium); c) Wildlife benefit fish & wildlife downstream- g; e) Impacts to wildlife listed in Parl as downstream of assessment area		
()((b)Water Envii n/a for uplands r		freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = 7 hydrologic stress on vege vegetative species tolerar	(normal; b) water level indicate d) soil erosion or deposition = 7 (normal); f) vegetation comm tation = 7; h) use by animal sp tt of and associated with water	parary turbidity impacts. In prs = 8, (consistent with 6, (existing erosion from unity zonation = 7 (typica ecies with specific hydro quality degradation = 7;	ndividual parameter scores: a) expected); c) soil moisture = 7, roadway, adjacent landuses); e) al for forested wetland); g)		
1. \	c)Community Vegetation an enthic Comm r	d/or	compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density	sted system. Individual parameters 5 (lacking shrubs and ground s); c) regeneration and recruitn and quality of coarse woody d es = 5, h) topographic features	eter scores: a) plant com cover); b) invasive exot nent = 5, (consistent with ebris, snag, den, and ca	ics or other invasive plant species		
	um of above sco		If preservation as m	itigation,		assessment areas		
current	ands, divide by	20)	Preservation adjustr	nent factor =		delta x acres =		
or w/o pres	s 	with	Adjusted mitigation of	delta =	0.1 x	2.001 = 0.2		
0.60		0.5			-			
			If mitigation		For mitigation	n assessment areas		
	Delta = [with-current] Time lag (t-factor) =		1					
Delt	ta = [with-curr	ent]	Time lag (t-factor) =		RFG = delta/(t-fa			

Site/Project Name		Application Number	er	/	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GOI	L-347C
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630	630			E	xisting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.O	FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fer (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetgi etto. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for pre	evious p	ermit/other historic us	e
Wildlife habitat, wa	ter treatment and storag	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s), type of use, and inte	
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment Ar	Assessment Area Name or Number		
Gulf NFRC	Phase 3			W-GOL-347C		
Impact or Mitigation	(Assessment conducted by:	Assessment da			
Impact (C	learing)	M. Harrington		4/16/2019		
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 waterfunctions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 6 5	landscape support variable herbaceous community. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 6	wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in I pecies = 5 (moderate covera oads); d) functions that ben ted by roads and ditching; e ologically connected areas of	arcels and conversion to Part 1 by outside habitats = 6 age of Lygodium); c) Wildlife efit fish & wildlife downstream-) Impacts to wildlife listed in Part downstream of assessment area		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant		parary turbidity impacts. Indiv prs = 8, (consistent with exp 6, (existing erosion from roa unity zonation = 7 (typical fo ecies with specific hydrologio quality degradation = 7; j) di	idual parameter scores: a) ected); c) soil moisture = 7, dway, adjacent landuses); e) r forested wetland); g)		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5 3	Clearing of canopy will conv compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground r; c) regeneration and recruitm and quality of coarse woody de	eter scores: a) plant commu cover); b) invasive exotics nent = 5, (consistent with exp ebris, snag, den, and cavity	or other invasive plant species		
Score = sum of above scores/30 (i uplands, divide by 20) current	f If preservation as miti			sessment areas a x acres =		
or w/o pres with	Adjusted mitigation de	elta =	0.1x0.047	7 = 0.005		
0.60 0.5						
	If mitigation	1	-			
	If mitigation Time lag (t-factor) =		For mitigation a	ssessment areas		

Site/Project Name		Application Number	Assessmen	t Area Name or Number
			7.0500501101	
Gulf NFRC F	hase 3			W-GOL-347C
Impact or Mitigation		Assessment conducted by:	Assessmen	t date:
Impact (Fill)	M. Harrington		4/16/2019
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each	Condition is optimal and	Condition is less than	(+)	Not resent (0)
indicator is based on what would be suitable	fully supports	optimal, but sufficient to maintain most	Minimal level of suppo wetland/surface wat	
for the type of wetland or	wetland/surface water functions	wetland/surface	functions	functions
surface water assessed		waterfunctions		
.500(6)(a) Location and Landscape Support w/o pres or <u>current</u> with 6 0	landscape support variable herbaceous community. Ind (reduced by proximity of bus access to and from outside distance or barriers = 7 (dow 1 by outside land uses = 6 (sy roads; b) Invasive exotic s = 6 (reduced to proximity of n wnstream flow somewhat limit adjacent to highway); f) Hydro	ss of contiguous foreste Support to wildlife listed becies = 5 (moderate co boads); d) functions that ed by roads and ditching bologically connected are	
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 0	freshwater marsh, although water levels and flows = 8 (r consistent with expected; d) evidence of fire history = 7 (hydrologic stress on vegetar vegetative species tolerant	normal; b) water level indicato) soil erosion or deposition = 6 (normal); f) vegetation commu tion = 7; h) use by animal spe of and associated with water	rary turbidity impacts. In bors = 8, (consistent with 6, (existing erosion from unity zonation = 7 (typica ecies with specific hydrol quality degradation = 7;	ndividual parameter scores: a) expected); c) soil moisture = 7, roadway, adjacent landuses); e) al for forested wetland); g)
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5 0	compared to existing foreste shrub, or ground stratum = 5 = 7, (few nuisance species); distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm ind quality of coarse woody de	eter scores: a) plant com cover); b) invasive exot lent = 5, (consistent with ebris, snag, den, and ca	significant loss of functional value imunity species in the canopy, ics or other invasive plant species expected); d) age & size vity = 5; f) plant condition = 7, ; g) growth in submerged aquatic plant
Score = sum of above scores/30 (if	If preservation as mitig	gation,		assessment areas
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = (delta x acres =
or w/o pres with 0.60 0	Adjusted mitigation de	elta =	FL: 0.015	ac. x 0.60 = 0.009
	l 			
	If mitigation		For mitigatio	n assessment areas
Delta = [with-current]	Time lag (t-factor) =		RFG = delta/(t-fac	ctor x risk) =
-0.60	Risk factor =			

Site/Project Name		Application Numbe	er	4	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GC	DL-348
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630	630			E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.O	FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fer (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and storag	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment Are	ea Name or Number		
			7100000110111711			
Gulf NFRC F	nase 3			W-GOL-348		
Impact or Mitigation		Assessment conducted by:	Assessment dat	te:		
Impact (Cle	earing)	M. Harrington		4/16/2019		
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
The scoring of each	Condition is optimal and	Condition is less than				
indicator is based on what would be suitable	fully supports	optimal, but sufficient to maintain most	Minimal level of support of wetland/surface water	Condition is insufficient to provide wetland/surface water		
for the type of wetland or	wetland/surface water functions	wetland/surface	functions	functions		
surface water assessed		waterfunctions				
.500(6)(a) Location and Landscape Support w/o pres or current with 5 4	landscape support variable herbaceous community. Ind (reduced by proximity of bus c) Wildlife access to and fro wildlife downstream-distance wildlife listed in Part 1 by ou	m outside = 5 (reduced to pro e or barriers = 5 (downstream ttside land uses = 5 (adjacent area = 5; g) Dependency of c	ss of contiguous forested pa Support to wildlife listed in F sive exotic species = 5 (mod pximity of roads and railroad flow somewhat limited by ro to highway and railway); f) F	arcels and conversion to Part 1 by outside habitats = 6 lerate coverage of Lygodium); ; d) functions that benefit fish & bads and ditching; e) Impacts to Hydrologically connected areas		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (r consistent with expected; d) evidence of fire history = 7 (hydrologic stress on vegetar vegetative species tolerant		rary turbidity impacts. Indivi ors = 8, (consistent with expe 6, (existing erosion from road unity zonation = 7 (typical for ecies with specific hydrologic quality degradation = 7; j) dii	dual parameter scores: a) ected); c) soil moisture = 7, dway, adjacent landuses); e) forested wetland); g)		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with	compared to existing foreste shrub, or ground stratum = 5 = 7, (few nuisance species); distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm ind quality of coarse woody de	eter scores: a) plant commun cover); b) invasive exotics of ent = 5, (consistent with exp ebris, snag, den, and cavity	or other invasive plant species		
5 3						
Score = sum of above scores/30 (if	If preservation as mitig	gation,	For impact ass			
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = delta	x acres =		
or w/o pres with 0.57 0.46667	Adjusted mitigation de	elta =	0.1x0.361	= 0.036		
0.40007						
	If mitigation		For mitigation as	sessment areas		
Delta = [with-current]	Time lag (t-factor) =		RFG = delta/(t-factor:			
-0.10	Risk factor =					

Site/Project Name		Application Numbe	er	4	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GC	DL-349
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630	630			E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	d Waterbody (Class) Sp			FW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fer (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Accorement Ar	a Nama ar Numbar	
Site/Project Name		Application Number Assessmer		ssment Area Name or Number	
Gulf NFRC F	hase 3			W-GOL-349	
Impact or Mitigation		Assessment conducted by:	Assessment da	te:	
Impact (Cle	aring)	M. Harrington		4/16/2019	
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)	
indicator is based on what would be suitable for the type of wetland or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions	
surface water assessed	Tunctions	waterfunctions			
.500(6)(a) Location and Landscape Support w/o pres or current with 5 4	landscape support variable herbaceous community. Ind (reduced by proximity of bus c) Wildlife access to and fro wildlife downstream-distance wildlife listed in Part 1 by ou	m outside = 5 (reduced to pro e or barriers = 5 (downstream ttside land uses = 5 (adjacent area = 5; g) Dependency of c	ss of contiguous forested pa Support to wildlife listed in F sive exotic species = 5 (moc pximity of roads and railroad n flow somewhat limited by ro to highway and railway); f) f	arcels and conversion to Part 1 by outside habitats = 6 lerate coverage of Lygodium); ; d) functions that benefit fish & bads and ditching; e) Impacts to Hydrologically connected areas	
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (r consistent with expected; d) evidence of fire history = 7 (hydrologic stress on vegetar vegetative species tolerant		rary turbidity impacts. Indiv ors = 8, (consistent with expe 6, (existing erosion from road unity zonation = 7 (typical for ecies with specific hydrologic quality degradation = 7; j) di	dual parameter scores: a) ected); c) soil moisture = 7, dway, adjacent landuses); e) forested wetland); g)	
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 5 3	compared to existing foreste shrub, or ground stratum = 5 = 7, (few nuisance species); distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm ind quality of coarse woody de	eter scores: a) plant commu cover); b) invasive exotics o nent = 5, (consistent with exp ebris, snag, den, and cavity	or other invasive plant species	
Score = sum of above scores/30 (if	If preservation as mitig	gation,	For impact ass	essment areas	
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = delta	x acres =	
or w/o pres with 0.57 0.46667	Adjusted mitigation de	elta =	0.1x0.048	3 = 0.005	
0.07					
	If mitigation		For mitigation or	ssessment areas	
Delta = [with-current]	Time lag (t-factor) =				
-0.10	Risk factor =		RFG = delta/(t-factor	x risk) =	

Site/Project Name Application N			nber Assessment Area Name or Number			or Number
Gulf NFRC Pha	se 3				W-GC	DL-353
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630	630			E	existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fer (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features		regional landsca		ing the relative rarity in	relation to the	
Interst	ate highway		Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious p	permit/other historic us	e
Wildlife habitat, wa	ter treatment and stora	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings:	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name				Application Number	Assessment A	Assessment Area Name or Number		
	G	ulf NFRC F	Phase 3			W-GOL-353		
Impact or	r Mitigation			Assessment conducted by:	late:			
-	-	mpact (Cle	earing)	M. Harrington	4/16/2019			
Scori	ng Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
indicate what wo for the ty	coring of each or is based on ould be suitable vpe of wetland water assesse	e or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions		
	0(6)(a) Location andscape Supp or		landscape support variable herbaceous community. Inc (reduced by proximity of bus from outside = 6 (reduced to barriers = 6 (downstream flo outside land uses = 6 (adjac	sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologio	ss of contiguous forested Support to wildlife listed in pecies = 9 (negligible cove ons that benefit fish & wild and ditching; e) Impacts cally connected areas dow	parcels and conversion to Part 1 by outside habitats = 7 rage); c) Wildlife access to and life downstream-distance or		
)(b)Water Envi (n/a for upland: pr		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	(normal); f) vegetation commu tion = 7; h) use by animal spe of and associated with water	rary turbidity impacts. Ind ors = 8, (consistent with ex 6, (existing erosion from ro unity zonation = 7 (typical ecies with specific hydrolog quality degradation = 7; j)	ividual parameter scores: a) pected); c) soil moisture = 7, adway, adjacent landuses); e) or forested wetland); g)		
1.	(c)Community Vegetation an 3enthic Comm	d/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm ind quality of coarse woody do	eter scores: a) plant comm cover); b) invasive exotic lent = 5, (consistent with e ebris, snag, den, and cavit	s or other invasive plant species xpected); d) age & size		
w/o pres o current 5	or	with 3	land management practices communities = 7 (normal).		= 7, ; i) siltation or algal gr	owth in submerged aquatic plant		
current 5 Score = si	or sum of above sco plands, divide by	3 pres/30 (if	communities = 7 (normal).	gation,	For impact a			
Score = se	um of above sco ands, divide by	3 pres/30 (if	communities = 7 (normal). If preservation as miti	gation, ent factor =	For impact a FL = de	owth in submerged aquatic plant		
current 5 Score = si upi current pr w/o pres	um of above sco ands, divide by	3 pres/30 (if 20) with	communities = 7 (normal). If preservation as miti Preservation adjustme Adjusted mitigation de	gation, ent factor =	For impact a FL = de 0.13x0	owth in submerged aquatic plant seessment areas ta x acres = 158 = 0.021		
current 5 Score = si upi current br w/o pres 0.63	um of above sco ands, divide by	3 pres/30 (if 20) with 0.5	communities = 7 (normal). If preservation as miti Preservation adjustme	gation, ent factor =	For impact a FL = de 0.13x0	owth in submerged aquatic plant ssessment areas ta x acres =		

Site/Project Name Application N			nber Assessment Area Name or Number			or Number
Gulf NFRC Pha	se 3				W-GC	DL-354
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630	630			E	xisting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	^r plante sweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum as groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features		regional landsca		ng the relative rarity in	relation to the	
Interst	ate highway		Not rare in relation to regional landscape			
Functions			Mitigation for pre	evious p	permit/other historic use	e
Wildlife habitat, wa	ter treatment and stora	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings:	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name			Application Number	Assessment A	Assessment Area Name or Number		
	Gulf NFRC I	Phase 3			W-GOL-354		
Impact or Mitigatior	1		Assessment conducted by:	Assessment of	late:		
	Impact (Cle	earing)	M. Harrington		4/16/2019		
Scoring Guidan	ice	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
The scoring of e indicator is based what would be sui for the type of wetla surface water asse	d on itable and or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Loc Landscape S w/o pres or <u>current</u> 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu from outside = 6 (reduced t barriers = 6 (downstream flu outside land uses = 6 (adja	sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi	ess of contiguous forested Support to wildlife listed in pecies = 9 (negligible cove ions that benefit fish & wild and ditching; e) Impacts cally connected areas dow	parcels and conversion to Part 1 by outside habitats = 7 prage); c) Wildlife access to and llife downstream-distance or		
.500(6)(b)Water E (n/a for upl w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	(normal); f) vegetation comm tion = 7; h) use by animal spe of and associated with water	prary turbidity impacts. Ind ors = 8, (consistent with ex 6, (existing erosion from ro unity zonation = 7 (typical eccies with specific hydrolog quality degradation = 7; j)	ividual parameter scores: a) pected); c) soil moisture = 7, adway, adjacent landuses); e) for forested wetland); g)		
.500(6)(c)Commu 1. Vegetation 2. Benthic Co v/o pres or current 5	n and/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground r; c) regeneration and recruitm and quality of coarse woody d	eter scores: a) plant comm cover); b) invasive exotic nent = 5, (consistent with e ebris, snag, den, and cavit	or other invasive plant species		
			gation,	For impact a			
Score = sum of abov uplands, divid current pr w/o pres		Preservation adjustm	ent factor =	FL = de	ssessment areas ita x acres = .048 = 0.006		
uplands, divid current	e by 20)	Preservation adjustm Adjusted mitigation de	ent factor =	FL = de	ta x acres =		
uplands, divid current or w/o pres	with	Preservation adjustm	ent factor =	FL = de 0.13x0	ta x acres =		

Site/Project Name Application Nu			ber Assessment Area Name			Area Name
Gulf NFRC Pha	se 3				W	-GOL-357
FLUCCs code	Further classification	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size
630	630				Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River						
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	<i>r</i> forested uplands, and	connects to othe	r wetland systems	•		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar I, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palm oweyed grass, cin	plante sweetç etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grap	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features		Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Interst		No	t rare	in relation to regional la	andscape	
Functions			Mitigation for pre	vious	permit/other historic us	е
Wildlife habitat, wa	ter treatment and stora	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project	Name			Application Number	Asse	Assessment Area Name or Number		
	G	ulf NFRC F	Phase 3			W	-GOL-357	
Impact or M	litigation			Assessment conducted by:	Assessment conducted by: Assessment da			
	l	mpact (Cle	earing)	M. Harrington		2	4/16/2019	
Scoring	Guidance		Optimal (10)	Moderate(7)	Minimal	(4)	Not Present (0)
indicator what would for the type	ing of each is based on d be suitable of wetland ater assesse	e or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	It sufficient to ain most d/surface discussion discussi		Condition is insuffic ovide wetland/surfa functions	
)(a) Locatior Iscape Supp		landscape support variabl herbaceous community. Ir (reduced by proximity of b from outside = 6 (reduced barriers = 6 (downstream outside land uses = 6 (adj	ssociated with clearing the tran e for wetland forests through lindividual parameter scores: a usy roads; b) Invasive exotics s to proximity of roads); d) func flow somewhat limited by road acent to highway); f) Hydrolog Dependency of downstream are	oss of contiguous) Support to wildlife species = 9 (neglig tions that benefit fi ls and ditching; e) iically connected a	forested parce e listed in Part ible coverage) ish & wildlife do Impacts to wild reas downstrea	Is and conversion to 1 by outside habita ; c) Wildlife access ownstream-distance Ilife listed in Part 1 b am of assessment a	ts = 7 to and e or by area = 7
()())Water Envi a for upland:		freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = 7 hydrologic stress on vege vegetative species tolerar	emporarily impact the water en h silt fencing will reduce temp (normal; b) water level indicat d) soil erosion or deposition = 7 (normal); f) vegetation comm tation = 7; h) use by animal sp ht of and associated with water K) existing water quality data =	orary turbidity impa tors = 8, (consister 6, (existing erosio nunity zonation = 7 becies with specific r quality degradatio	acts. Individua nt with expecte n from roadwa (typical for for hydrological ro n = 7; j) direct	al parameter scores: d); c) soil moisture y, adjacent landuse ested wetland); g) equirements = 7; i) observation of wate	= 7, s); e) er quality
1. Ve	Community egetation an thic Comm	d/or	compared to existing fores shrub, or ground stratum = 7, (few nuisance species distribution = 5; e) density	nvert the system to a freshwat sted system. Individual param = 5 (lacking shrubs and ground s); c) regeneration and recruitr and quality of coarse woody c es = 5, h) topographic features	neter scores: a) pla dcover); b) invasiv ment = 5, (consiste debris, snag, den, a	nt community ve exotics or ot ent with expect and cavity = 5;	species in the cano ther invasive plant s ed); d) age & size f) plant condition =	py, species 7, ; g)
uplan	n of above sco nds, divide by	(If preservation as m Preservation adjustr	-	For	impact assess FL = delta x a		
current or w/o pres 0.63		with 0.5	Adjusted mitigation	delta =	FL = 0	.13 x 0.507 = 0	0.066	
		L	If mitigation	1			1	
If mitigation Delta = [with-current] Time lag (t-factor) =					For m	itigation asses	sment areas	
Delta	= [with-curr	ent]	Time lag (t-factor) =			-		

Site/Project Name Application No.			ber Assessment Area Name			Area Name	
Gulf NFRC Pha	ise 3				W-C	GOL-358A	
FLUCCs code	Further classific	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630	630				Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Cla	ass)	Special Classificati	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River							
Geographic relationship to and hyd	drologic connection wit	th wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	y forested uplands, and	d connects to othe	r wetland systems				
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.	, water oak, and swam maple, loblolly pine, sy fetterbush, needlepaln	np chestnut oak, w weetbay, Americar n, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palm oweyed grass, cin	plante sweetg etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features		regional landsca		ring the relative rarity in			
Interst		Not rare in relation to regional landscape					
Functions			Mitigation for pre	vious	permit/other historic us	е	
Wildlife habitat, wa	ter treatment and stora	age	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	lization (List species di	rectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

	ect Name			Application Number	Assessme	Assessment Area Name or Number		
Gulf NFRC Phase 3			Phase 3			W-GOL-358A		
Impact or	Mitigation			Assessment conducted by:	nt date:			
inipuot or	-	mpact (Cle	earing)	M. Harrington	1000001110	4/16/2019		
·								
	ng Guidance coring of each		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicato what wo for the typ	or is based on ould be suitable pe of wetland water assesse	e or	Condition is optimal and fully supports wetland/surface water functions	imal and optimal, but sufficient to Minimal level of supp wetland/surface wa functions				
	(6)(a) Locatior ndscape Supp pr		landscape support variable herbaceous community. Ind (reduced by proximity of bu from outside = 6 (reduced t barriers = 6 (downstream fl outside land uses = 6 (adja	isy roads; b) Invasive exotic s to proximity of roads); d) funct ow somewhat limited by roads icent to highway); f) Hydrologi	ss of contiguous forest Support to wildlife liste pecies = 9 (negligible c ions that benefit fish & and ditching; e) Impac cally connected areas of			
	(b)Water Envi n/a for upland or		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	(normal; b) water level indicato) soil erosion or deposition = ((normal); f) vegetation commu- ation = 7; h) use by animal spe of and associated with water	prary turbidity impacts. brs = 8, (consistent with 6, (existing erosion from unity zonation = 7 (typic eccies with specific hydr quality degradation = 7	Individual parameter scores: a) a expected); c) soil moisture = 7, n roadway, adjacent landuses); e) cal for forested wetland); g)		
		7				,		
1. `	(c)Community Vegetation an Benthic Common	structure	Clearing of canopy will con compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ted system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody d	eter scores: a) plant co cover); b) invasive exc nent = 5, (consistent wi ebris, snag, den, and c	h significant loss of functional value mmunity species in the canopy, otics or other invasive plant species		
1. 2. B w/o pres o current 5 Score = su	Vegetation an Benthic Commo or um of above sco	structure d/or unity with 3 pres/30 (if	Clearing of canopy will com- compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices communities = 7 (normal).	ted system. Individual paramo 5 (lacking shrubs and ground); c) regeneration and recruitn and quality of coarse woody d s = 5, h) topographic features	eter scores: a) plant co cover); b) invasive exo tent = 5, (consistent wi ebris, snag, den, and c = 7, ; i) siltation or alga For impac	th significant loss of functional value mmunity species in the canopy, otics or other invasive plant species th expected); d) age & size avity = 5; f) plant condition = 7, ; g) Il growth in submerged aquatic plant		
1. 2. B w/o pres o current 5 Score = su	Vegetation an Benthic Commo	structure d/or unity with 3 pres/30 (if	Clearing of canopy will com compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices communities = 7 (normal).	ted system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody d s = 5, h) topographic features igation,	eter scores: a) plant co cover); b) invasive exo tent = 5, (consistent wi ebris, snag, den, and c = 7, ; i) siltation or alga For impac	th significant loss of functional value mmunity species in the canopy, otics or other invasive plant species th expected); d) age & size avity = 5; f) plant condition = 7, ; g) Il growth in submerged aquatic plant		
1. 2. B w/o pres o current 5 Score = su upl current pr w/o pres	Vegetation an Benthic Common or um of above sco lands, divide by	structure d/or unity with 3 ores/30 (if 20) with	Clearing of canopy will com compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices communities = 7 (normal).	ied system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody d s = 5, h) topographic features igation, ent factor =	eter scores: a) plant co cover); b) invasive exo tent = 5, (consistent wi ebris, snag, den, and c = 7, ; i) siltation or alga	th significant loss of functional value mmunity species in the canopy, otics or other invasive plant species th expected); d) age & size avity = 5; f) plant condition = 7, ; g) Il growth in submerged aquatic plant		
1. V 2. B w/o pres o current 5 Score = su upl current	Vegetation an Benthic Common or um of above sco lands, divide by	structure d/or unity with 3 ores/30 (if 20)	Clearing of canopy will com compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices communities = 7 (normal).	ied system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody d s = 5, h) topographic features igation, ent factor =	eter scores: a) plant co cover); b) invasive exo tent = 5, (consistent wi ebris, snag, den, and c = 7, ; i) siltation or alga	th significant loss of functional value mmunity species in the canopy, otics or other invasive plant species th expected); d) age & size avity = 5; f) plant condition = 7, ; g) al growth in submerged aquatic plant		
1. 2. B w/o pres o current 5 Score = su upl current pr w/o pres	Vegetation an Benthic Common or um of above sco lands, divide by	structure d/or unity with 3 ores/30 (if 20) with	Clearing of canopy will com compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices communities = 7 (normal).	ied system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody d s = 5, h) topographic features igation, ent factor =	eter scores: a) plant co cover); b) invasive exo tent = 5, (consistent wi ebris, snag, den, and c = 7, ; i) siltation or alga	h significant loss of functional value mmunity species in the canopy, trics or other invasive plant species th expected); d) age & size avity = 5; f) plant condition = 7, ; g) Il growth in submerged aquatic plant <u>ct assessment areas</u> <u>delta x acres =</u> 0.405 = 0.0527		
1. 2. B w/o pres o current 5 Score = su upl current pr w/o pres 0.63	Vegetation an Benthic Common or um of above sco lands, divide by	structure d/or unity with 3 ores/30 (if 20) with 0.5	Clearing of canopy will com- compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practice: communities = 7 (normal).	ied system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody d s = 5, h) topographic features igation, ent factor =	eter scores: a) plant co cover); b) invasive exo tent = 5, (consistent wi ebris, snag, den, and c = 7, ; i) siltation or alga	th significant loss of functional value mmunity species in the canopy, otics or other invasive plant species th expected); d) age & size avity = 5; f) plant condition = 7, ; g) al growth in submerged aquatic plant <u>ct assessment areas</u> <u>delta x acres =</u> 0.405 = 0.0527		

Site/Project Name Application N			nber Assessment Area Name			Area Name	
Gulf NFRC Phas	se 3				W-0	GOL-361B	
FLUCCs code	Further classificat	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630					Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Class	s)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Apalachicola River							
Geographic relationship to and hyd	Irologic connection with	wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	forested uplands, and o	connects to othe	r wetland systems				
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited), subcanopy stratum comprises red blueberry, wax myrtle, giant cane, f species including Virginia chain fer (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, swe fetterbush, needlepalm,	chestnut oak, wi eetbay, Americar Florida anise, ar	th occurrences of hornbeam, and s ad bluestem palme oweyed grass, cin	plante sweetç etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grap	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features		Uniqueness (co regional landsca		ring the relative rarity in	relation to the		
Interst		Not rare in relation to regional landscape					
Functions			Mitigation for pre	vious	permit/other historic us	е	
Wildlife habitat, wat	er treatment and storag	e	N/A				
Anticipated Wildlife Utilization Base that are representative of the asses to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bire	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Utili	zation (List species dire	ectly observed, or	other signs such	as tra	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	v(c):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name				Application Number	Assessme	Assessment Area Name or Number		
	Gu	ulf NFRC F	hase 3			W-GOL-361B		
Impact or N	Vitigation			Assessment conducted by:	ent date:			
	l	mpact (Cle	aring)	M. Harrington	,			
Scoring	g Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
indicator what wou for the type	ring of each is based on Id be suitable e of wetland ater assesse	e or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of supp wetland/surface wa functions			
	6)(a) Locatior dscape Supp		landscape support variable herbaceous community. In (reduced by proximity of bu from outside = 6 (reduced barriers = 6 (downstream f outside land uses = 6 (adja	usy roads; b) Invasive exotic s to proximity of roads); d) funct flow somewhat limited by roads acent to highway); f) Hydrologi	ss of contiguous fores Support to wildlife liste pecies = 9 (negligible c ions that benefit fish & s and ditching; e) Impac cally connected areas			
()()Water Envi /a for upland		freshwater marsh, althoug water levels and flows = 8 consistent with expected; c evidence of fire history = 7 hydrologic stress on veget vegetative species toleran	(normal; b) water level indicate d) soil erosion or deposition = 7 (normal); f) vegetation comm tation = 7; h) use by animal spet t of and associated with water	prary turbidity impacts. ors = 8, (consistent with 6, (existing erosion fror unity zonation = 7 (typic ecies with specific hydr quality degradation = 7	Individual parameter scores: a) n expected); c) soil moisture = 7, n roadway, adjacent landuses); e) cal for forested wetland); g)		
1. V)Community 'egetation an	d/or	compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density	sted system. Individual parame = 5 (lacking shrubs and ground s); c) regeneration and recruitn and quality of coarse woody d es = 5, h) topographic features	eter scores: a) plant co lcover); b) invasive exe nent = 5, (consistent wi ebris, snag, den, and c	th significant loss of functional value mmunity species in the canopy, otics or other invasive plant species th expected); d) age & size avity = 5; f) plant condition = 7, ; g) al growth in submerged aquatic plan		
	n of above sco nds, divide by	(If preservation as mi Preservation adjustn	0		ct assessment areas : delta x acres =		
current or w/o pres 0.63	I	with 0.5	Adjusted mitigation o		FL = 0.13 x 0	.452 = 0.059		
-		-	If mitigation					
	If mitigation Delta = [with-current] Time lag (t-factor) =				For mitigat	ion according to the second		
Delta	a = [with-curr	ent]	Time lag (t-factor) =		i or mitigat	ion assessment areas		

Site/Project Name Application Nu			ber Assessment Area Name			Area Name
Gulf NFRC Pha	ise 3				W-C	GOL-361C
FLUCCs code	Further classific	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size
630	630				Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Cla	ass)	Special Classificati	on (i.e.0	DFW, AP, other local/state/federa	al designation of importance)
Apalachicola River						
Geographic relationship to and hyd	drologic connection wit	th wetlands, other	surface water, up	ands		
Assessment area is surrounded by	y forested uplands, and	d connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.	n, water oak, and swam maple, loblolly pine, sy fetterbush, needlepaln	np chestnut oak, w weetbay, Americar n, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palm oweyed grass, cin	plante sweetg etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grap	e edges. The a comprises highbush ises of a variety of e vine, and shield ferns
Significant nearby features		regional landsca		ring the relative rarity in	relation to the	
Interst		Not rare in relation to regional landscape				
Functions			Mitigation for pre	vious	permit/other historic us	е
Wildlife habitat, wa	ter treatment and stora	age	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	lization (List species di	rectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name			Application Number	Assessme	Assessment Area Name or Number		
C	Gulf NFRC I	Phase 3			W-GOL-361C		
Impact or Mitigation			Assessment conducted by:	ent date:			
	Impact (Cle	earing)	M. Harrington	,			
Scoring Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
The scoring of each indicator is based o what would be suitab for the type of wetland surface water assess	n Ile I or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of supp wetland/surface wa functions			
.500(6)(a) Locatio Landscape Sup w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu from outside = 6 (reduced to barriers = 6 (downstream file outside land uses = 6 (adja	dividual parameter scores: a) sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi	ss of contiguous forest Support to wildlife liste pecies = 9 (negligible c ions that benefit fish & s and ditching; e) Impac cally connected areas of	uld reduce the location and ted parcels and conversion to ed in Part 1 by outside habitats = 7 coverage); c) Wildlife access to and wildlife downstream-distance or cts to wildlife listed in Part 1 by downstream of assessment area = 7 a = 7 (downstream areas somewhat		
.500(6)(b)Water Env (n/a for uplan w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	normal; b) water level indicate) soil erosion or deposition = (normal); f) vegetation comm tition = 7; h) use by animal spe of and associated with water	parary turbidity impacts. prs = 8, (consistent with 6, (existing erosion from unity zonation = 7 (typic ecies with specific hydr quality degradation = 7	Individual parameter scores: a) n expected); c) soil moisture = 7, n roadway, adjacent landuses); e) cal for forested wetland); g)		
.500(6)(c)Communit 1. Vegetation a 2. Benthic Comr w/o pres or current 5	nd/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual param 5 (lacking shrubs and ground t; c) regeneration and recruitn and quality of coarse woody d	eter scores: a) plant co lcover); b) invasive exe nent = 5, (consistent wi ebris, snag, den, and c	th significant loss of functional value mmunity species in the canopy, otics or other invasive plant species th expected); d) age & size avity = 5; f) plant condition = 7, ; g) al growth in submerged aquatic plant		
Score = sum of above s uplands, divide b current pr w/o pres 0.63		If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =	FL =	ct assessment areas : delta x acres = 0.035 = 0.005		
		If mitigation		For mitigat	ion assessment areas		
Delta = [with-cu	rrent]	Time lag (t-factor) =		RFG = delta/(t-fa			
-0.13		Risk factor =			·····,		

Site/Project Name		Application Number	ber Assessment Area Name			
Gulf NFRC Pha	ise 3				W-C	GOL-362A
FLUCCs code	Further classifi	cation (optional)		Impac	t or Mitigation Site?	Assessment Area Size
630				Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (C	lass)	Special Classificati	on (i.e.0	DFW, AP, other local/state/federa	al designation of importance)
Apalachicola River						
Geographic relationship to and hyd	drologic connection w	ith wetlands, other	surface water, up	ands		
Assessment area is surrounded by	y forested uplands, ar	nd connects to othe	r wetland systems			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.	, water oak, and swar maple, loblolly pine, s fetterbush, needlepal	mp chestnut oak, w sweetbay, Americar m, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palm oweyed grass, cin	plante sweetg etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ring the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious	permit/other historic us	е
Wildlife habitat, wa	ter treatment and stor	age	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	lization (List species o	lirectly observed, o	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Na	ame			Application Number	Α	Assessment Area Name or Number		
	Gu	ulf NFRC F	Phase 3				W-GOL-362A	
Impact or Mitig	gation			Assessment conducted by: Assessment date:				
	- Iı	mpact (Cle	aring)	M. Harrington			4/16/2019	
Scoring Gu	uidance		Optimal (10)	Moderate(7)	Mini	mal (4)	Not Present	(0)
The scoring indicator is t what would b for the type of surface water	based on be suitable wetland	e or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions Minimal level of support of wetland/surface water functions		urface water	Condition is insuffic provide wetland/surfa functions	
.500(6)(a) Landsc w/o pres or <u>current</u> 7) Locatior ape Supp		landscape support variable herbaceous community. Inc (reduced by proximity of bu from outside = 6 (reduced t barriers = 6 (downstream file outside land uses = 6 (adja	sociated with clearing the tran for wetland forests through le dividual parameter scores: a sy roads; b) Invasive exotics o proximity of roads); d) func ow somewhat limited by road cent to highway); f) Hydrolog ependency of downstream are	oss of contigue) Support to wi species = 9 (ne tions that bene ls and ditching ically connected	Dus forested par Idlife listed in Pa egligible coverage of it fish & wildlife ; e) Impacts to ve ed areas downst	rcels and conversion t art 1 by outside habita ge); c) Wildlife access e downstream-distance wildlife listed in Part 1 tream of assessment a	ts = 7 to and e or by area = 7
.500(6)(b)Wa (n/a fo w/o pres or current 7	ater Envii or uplands		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	nporarily impact the water en a silt fencing will reduce temp (normal; b) water level indicat) soil erosion or deposition = (normal); f) vegetation comm ation = 7; h) use by animal sp of and associated with water c) existing water quality data =	orary turbidity i tors = 8, (consi 6, (existing ero nunity zonation becies with spe r quality degrad	impacts. Individ istent with exper- osion from road = 7 (typical for cific hydrologica dation = 7; j) dire	Jual parameter scores cted); c) soil moisture way, adjacent landuse forested wetland); g) al requirements = 7; i) ect observation of wat	: a) = 7, es); e) er quality
	ommunity etation an ic Comm	d/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	vert the system to a freshwat red system. Individual param 5 (lacking shrubs and ground); c) regeneration and recruitr and quality of coarse woody c s = 5, h) topographic features	neter scores: a) dcover); b) inv ment = 5, (cons debris, snag, d) plant communi vasive exotics or sistent with expe en, and cavity =	ity species in the canc r other invasive plant s ected); d) age & size = 5; f) plant condition =	opy, species : 7, ; g)
Score = sum of uplands, current	above sco , divide by	20)	If preservation as miti Preservation adjustm	-		For impact asse FL = delta	x acres =	
or w/o pres 0.63		with 0.5	Adjusted mitigation de	elta =	rL	= 0.13 x 0.470 =	- 0.001	
			If mitigation		F	or mitigation as	sessment areas	
	[with-curr	ent]	Time lag (t-factor) =			delta/(t-factor x		
	-0.13		Risk factor =		i (i G =	Gona/(L-1a0101 X		

Site/Project Name		Application Number	er Assessment Area Name					
Gulf NFRC Pha	ase 3				W-0	GOL-362B		
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size		
630					Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ecial Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Apalachicola River								
Geographic relationship to and hy	drologic connection with	h wetlands, other	surface water, upl	ands				
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems					
Assessment area description The canopy stratum in the outer en- sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cinn	plante sweete etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grap	e edges. The a comprises highbush ises of a variety of e vine, and shield ferns		
Significant nearby features			Uniqueness (co regional landsca		ring the relative rarity in	relation to the		
Interstate highway			Not rare in relation to regional landscape					
Functions			Mitigation for pre	vious	permit/other historic us	e		
Wildlife habitat, wa	ter treatment and stora	ge	N/A					
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)					
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).					
Observed Evidence of Wildlife Uti	lization (List species dir	ectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):		
Additional relevant factors:								
Assessment conducted by:			Assessment date	e(s):				
M. Harrington/M. Goff		4/16/2019						

Site/Project	Name			Application Number	Asse	Assessment Area Name or Number			
	Gu	ulf NFRC F	Phase 3			۷	V-GOL-362B		
Impact or M	litigation			Assessment conducted by: Assessment date:					
	lı	mpact (Cle	aring)	M. Harrington			4/16/2019		
Scoring	Guidance		Optimal (10)	Moderate(7)	Minimal	(4)	Not Present	(0)	
indicator i what would for the type	ing of each is based on d be suitable of wetland ter assesse	e or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	optimal, but sufficient to maintain most wetland/surface ater functions		Condition is insuffic provide wetland/surfa functions		
. ,)(a) Locatior Iscape Supp		landscape support variable herbaceous community. Ir (reduced by proximity of b from outside = 6 (reduced barriers = 6 (downstream outside land uses = 6 (adj	ssociated with clearing the tran e for wetland forests through lendividual parameter scores: a) busy roads; b) Invasive exotics s to proximity of roads); d) funct flow somewhat limited by road acent to highway); f) Hydrolog Dependency of downstream are	oss of contiguous) Support to wildlifu species = 9 (neglig tions that benefit f is and ditching; e) ically connected a	forested parc e listed in Par jible coverage ish & wildlife Impacts to wi reas downstre	els and conversion t rt 1 by outside habita e); c) Wildlife access downstream-distance Idlife listed in Part 1 eam of assessment a	ts = 7 to and e or by area = 7	
()()	Water Envii a for uplands		freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = 7 hydrologic stress on veget vegetative species toleran	emporarily impact the water en solution of the water end (normal; b) water level indicat d) soil erosion or deposition = 7 (normal); f) vegetation comm tation = 7; h) use by animal sp and associated with water K) existing water quality data =	orary turbidity impa tors = 8, (consister 6, (existing erosio nunity zonation = 7 pecies with specific quality degradatio	acts. Individu nt with expect n from roadw (typical for fo hydrological on = 7; j) direc	ual parameter scores ted); c) soil moisture ray, adjacent landuse prested wetland); g) requirements = 7; i) ct observation of wat	: a) = 7, es); e) er quality	
1. Ve	Community egetation an thic Comm	d/or	compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density	nvert the system to a freshwate sted system. Individual param = 5 (lacking shrubs and ground s); c) regeneration and recruitr and quality of coarse woody d es = 5, h) topographic features	eter scores: a) pla dcover); b) invasiv ment = 5, (consiste debris, snag, den, s	ant community ve exotics or ent with exped and cavity = {	y species in the canc other invasive plant s cted); d) age & size 5; f) plant condition =	opy, species : 7, ; g)	
	of above sco ds, divide by	(If preservation as mi Preservation adjustr	o	For	impact asses FL = delta x	ssment areas acres =		
or w/o pres 0.63		with 0.5	Adjusted mitigation o	delta =	FL = 0.	13 x 0.034 =	0.004		
 			If mitigation]	Eor ~	itigation acco	assment areas		
Delta = [with-current] Time lag (t-factor) =					FULI	For mitigation assessment areas			
Delta	= [with-curr	ent]	Time lag (t-factor) =			ta/(t-factor x r			

Site/Project Name		Application Numbe	ber Assessment Area Name			
Gulf NFRC Pha	ise 3				W-C	GOL-364A
FLUCCs code	Further classific	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size
630			Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Cla	ass)	Special Classificati	on (i.e.0	DFW, AP, other local/state/federa	al designation of importance)
Apalachicola River						
Geographic relationship to and hyd	drologic connection wit	th wetlands, other	surface water, up	ands		
Assessment area is surrounded by	y forested uplands, and	d connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.	, water oak, and swam maple, loblolly pine, sv fetterbush, needlepalm	np chestnut oak, w weetbay, Americar n, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palm oweyed grass, cin	plante sweetg etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ring the relative rarity in	relation to the
Interstate highway			No	t rare	in relation to regional la	andscape
Functions			Mitigation for pre	vious	permit/other historic us	е
Wildlife habitat, wa	ter treatment and stora	age	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	lization (List species di	rectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment Ar	Assessment Area Name or Number		
	C Phase 3			W-GOL-364A		
Impact or Mitigation		Assessment conducted by:	Assessment da			
	Clearing)	M. Harrington	Assessment da	4/16/2019		
	() () () () () () () () () () () () () (.,		
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 waterfunctions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	landscape support variable herbaceous community. In (reduced by proximity of bu from outside = 6 (reduced barriers = 6 (downstream fi outside land uses = 6 (adja		ss of contiguous forested pa Support to wildlife listed in F pecies = 9 (negligible covera ions that benefit fish & wildlif and ditching; e) Impacts to cally connected areas downs	arcels and conversion to Part 1 by outside habitats = 7 age); c) Wildlife access to and de downstream-distance or		
.500(6)(b)Water Environmen (n/a for uplands) w/o pres or current with 7 7 7	t freshwater marsh, although water levels and flows = 8 consistent with expected; c evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant		parary turbidity impacts. Indiv ors = 8, (consistent with expects, (existing erosion from road unity zonation = 7 (typical for eccies with specific hydrologic quality degradation = 7; j) di	idual parameter scores: a) ected); c) soil moisture = 7, dway, adjacent landuses); e) forested wetland); g)		
.500(6)(c)Community structur 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5 3	(6)(c)Community structure (6)(c)Community structure 1. Vegetation and/or 2. Benthic Community es or ent with Clearing of canopy will convert the system to a freshwater marsh community with significant loss of function compared to existing forested system. Individual parameter scores: a) plant community species in the can shrub, or ground stratum = 5 (lacking shrubs and groundcover); b) invasive exotics or other invasive plant = 7, (few nuisance species); c) regeneration and recruitment = 5, (consistent with expected); d) age & size distribution = 5; e) density and quality of coarse woody debris, snag, den, and cavity = 5; f) plant condition land management practices = 5, h) topographic features = 7, ; i) siltation or algal growth in submerged aque communities = 7 (normal).					
Score = sum of above scores/30	(if If preservation as mit	igation,		essment areas		
uplands, divide by 20) current	Preservation adjustm	ent factor =	FL = delta	x acres =		
or w/o pres with 0.63 0.5	Adjusted mitigation d	elta =	FL = 0.13 x 0.014	= 0.002		
	If mitigation		For mitigation as	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =					
			RFG = delta/(t-factor	v rick) –		

Site/Project Name		Application Numbe	ber Assessment Area Name			
Gulf NFRC Pha	ise 3				W-0	GOL-364B
FLUCCs code	Further classific	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size
630				Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Cla	ass)	Special Classificati	ion (i.e.0	DFW, AP, other local/state/federa	al designation of importance)
Apalachicola River						
Geographic relationship to and hyd	drologic connection wit	th wetlands, other	surface water, up	lands		
Assessment area is surrounded by	y forested uplands, and	d connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.	, water oak, and swam maple, loblolly pine, sv fetterbush, needlepalm	np chestnut oak, w weetbay, Americar n, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palm oweyed grass, cin	plante sweetg etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grap	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ring the relative rarity in	relation to the
Interstate highway			No	ot rare	in relation to regional la	andscape
Functions			Mitigation for pre	evious	permit/other historic us	е
Wildlife habitat, wa	ter treatment and stora	age			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	lization (List species di	rectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number		
	C Phase 3			W-GOL-364B		
			Assessment d			
Impact or Mitigation	(Clearing)	Assessment conducted by: M. Harrington	Assessment date: 4/16/2019			
impact	(Cleaning)	M. Hanngton		4/10/2019		
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 waterfunctions	Minimal level of support of wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current wit 7 5	landscape support variable herbaceous community. In (reduced by proximity of b from outside = 6 (reduced barriers = 6 (downstream outside land uses = 6 (adj		ss of contiguous forested p Support to wildlife listed in pecies = 9 (negligible cove ions that benefit fish & wild and ditching; e) Impacts to cally connected areas down	parcels and conversion to Part 1 by outside habitats = 7 rage); c) Wildlife access to and life downstream-distance or		
.500(6)(b)Water Environme (n/a for uplands) w/o pres or current wit 7 7 7	freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = hydrologic stress on vege vegetative species tolerar = 6, receives road runoff.		arary turbidity impacts. Indi ors = 8, (consistent with exp 6, (existing erosion from roa unity zonation = 7 (typical for eacies with specific hydrolog quality degradation = 7; j) of	vidual parameter scores: a) pected); c) soil moisture = 7, adway, adjacent landuses); e) pr forested wetland); g)		
.500(6)(c)Community struct 1. Vegetation and/or 2. Benthic Community w/o pres or	 (6)(c)Community structure Clearing of canopy will convert the system to a freshwater marsh community with significant loss of function compared to existing forested system. Individual parameter scores: a) plant community species in the cate shrub, or ground stratum = 5 (lacking shrubs and groundcover); b) invasive exotics or other invasive plant error and recruitment = 5, (consistent with expected); d) age & size distribution = 5; e) density and quality of coarse woody debris, snag, den, and cavity = 5; f) plant condition land management practices = 5, h) topographic features = 7, ; i) siltation or algal growth in submerged aquic communities = 7 (normal). 					
5 3 Score = sum of above scores/30	(if If preservation as m	itigation,		sessment areas		
5 3 Score = sum of above scores/30 uplands, divide by 20)	(if If preservation as m Preservation adjustr			sessment areas a x acres =		
5 3 Score = sum of above scores/30 uplands, divide by 20) current pr w/o pres wit	Preservation adjustr	ment factor =		a x acres =		
5 3 Score = sum of above scores/30 uplands, divide by 20) current	Preservation adjustr	ment factor =	FL = del	a x acres =		
5 3 Score = sum of above scores/30 uplands, divide by 20) current pr w/o pres wit	Preservation adjustr	ment factor =	FL = del FL = 0.13 x 0.167	a x acres =		
5 3 Score = sum of above scores/30 uplands, divide by 20) current pr w/o pres wit	Preservation adjustr	delta =	FL = del FL = 0.13 x 0.167	a x acres = / = 0.022 assessment areas		

Site/Project Name	Site/Project Name Application N			ber Assessment Area Name or Number				
Gulf NFRC Pha	se 3				W-GC	DL-365		
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size		
630				E	Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	fication (i.e.OFW, AP, other local/state/federal designation of importance)				
Apalachicola River								
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands				
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.				
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fer (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns		
Significant nearby features			regional landsca		ing the relative rarity in	relation to the		
Interstate highway			Not rare in relation to regional landscape					
Functions			Mitigation for pre	vious p	permit/other historic us	е		
Wildlife habitat, wa	ter treatment and stora	ge	N/A					
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)					
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).					
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):		
Additional relevant factors:								
Assessment conducted by:			Assessment date	e(s):				
M. Harrington/M. Goff		4/16/2019						

Site/Project Name			Application Number	Assessment A	rea Name or Number	
G	ulf NFRC F	² hase 3			W-GOL-365	
Impact or Mitigation			Assessment conducted by:	essessment conducted by: Assessment date:		
1 0	Impact (Cle	earing)	M. Harrington		4/16/2019	
Scoring Guidance The scoring of each		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)	
indicator is based or what would be suitabl for the type of wetland surface water assesse	n e or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions	f Condition is insufficient to provide wetland/surface water functions	
.500(6)(a) Locatio Landscape Sup w/o pres or <u>current</u> 7		landscape support variable herbaceous community. In (reduced by proximity of bu from outside = 6 (reduced barriers = 6 (downstream fl outside land uses = 6 (adja	to proximity of roads); d) functi low somewhat limited by roads acent to highway); f) Hydrologic	ss of contiguous forested p Support to wildlife listed in pecies = 9 (negligible cover ions that benefit fish & wildl and ditching; e) Impacts to cally connected areas dowr	arcels and conversion to Part 1 by outside habitats = 7 age); c) Wildlife access to and ife downstream-distance or	
.500(6)(b)Water Env (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 consistent with expected; c evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant		rary turbidity impacts. Indi ors = 8, (consistent with exp δ , (existing erosion from roa unity zonation = 7 (typical for eccies with specific hydrolog quality degradation = 7; j) c	vidual parameter scores: a) ected); c) soil moisture = 7, idway, adjacent landuses); e) or forested wetland); g)	
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm w/o pres or <u>current</u> 5	nd/or	compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density	ted system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody de	eter scores: a) plant commu cover); b) invasive exotics nent = 5, (consistent with ex ebris, snag, den, and cavity	or other invasive plant species	
Score = sum of above sc		If preservation as mit	igation,		sessment areas	
uplands, divide by current	20)	Preservation adjustm	ient factor =	FL = delt	a x acres =	
or w/o pres 0.63	with 0.5	Adjusted mitigation d	elta =	0.13x0.0	020 = 0.003	
0.00	0.0					
		If mitigation		For mitigation a	ssessment areas	
Delta = [with-current] Time lag (t-factor) =				Ũ		
Delta = [with-cur	rent]	Time lag (t-factor) =		RFG = delta/(t-factor		

Site/Project Name		Application Number	ber Assessment Area Name					
Gulf NFRC Pha	ase 3				W-0	GOL-366A		
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size		
630				Existing Condition				
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	fication (i.e.OFW, AP, other local/state/federal designation of importance)				
Apalachicola River								
Geographic relationship to and hy	drologic connection with	h wetlands, other	surface water, upl	ands				
Assessment area is surrounded b	y forested uplands, and	connects to othe	r wetland systems					
Assessment area description The canopy stratum in the outer e sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.), among others. Significant nearby features), water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar I, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cin Uniqueness (co	plante sweeto etto. T namor onside	ed loblolly pine along th gum. The shrub stratum he groundcover compri	e edges. The a comprises highbush ises of a variety of e vine, and shield ferns		
Significant hearby leatures			regional landsca	pe.)				
Interstate highway			No	t rare	in relation to regional la	andscape		
Functions			Mitigation for pre	vious	permit/other historic us	e		
Wildlife habitat, wa	ter treatment and stora	ge			N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)					
Wading bi	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).					
Observed Evidence of Wildlife Uti	lization (List species dir	ectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):		
Additional relevant factors:								
Assessment conducted by:			Assessment date	e(s):				
M. Harrington/M. Goff			4/16/2019					

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number			
Gulf NFRC	Phase 3			W-GOL-366A			
Impact or Mitigation		Assessment conducted by:	Assessment				
Impact of Willgation	learing)	M. Harrington	Assessment	4/16/2019			
				.,			
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 waterfunctions	Minimal level of support wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	landscape support variable herbaceous community. Inc (reduced by proximity of bu from outside = 6 (reduced to barriers = 6 (downstream flo outside land uses = 6 (adja	sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi	ess of contiguous forested Support to wildlife listed in pecies = 9 (negligible cove ions that benefit fish & wild and ditching; e) Impacts cally connected areas dow	parcels and conversion to Part 1 by outside habitats = 7 arage); c) Wildlife access to and Ilife downstream-distance or			
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	(normal); f) vegetation comm ation = 7; h) use by animal spe of and associated with water	prary turbidity impacts. Ind ors = 8, (consistent with ex 6, (existing erosion from ro unity zonation = 7 (typical eccies with specific hydrolog quality degradation = 7; j)	ividual parameter scores: a) pected); c) soil moisture = 7, adway, adjacent landuses); e) for forested wetland); g)			
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 5 3	(c)Community structure Vegetation and/or Benthic Community with Vegetation and/or Weith Vegetation and/or Clearing of canopy will convert the system to a freshwater marsh community with significant loss of function compared to existing forested system. Individual parameter scores: a) plant community species in the car shrub, or ground stratum = 5 (lacking shrubs and groundcover); b) invasive exotics or other invasive plan = 7, (few nuisance species); c) regeneration and recruitment = 5, (consistent with expected); d) age & size distribution = 5; e) density and quality of coarse woody debris, snag, den, and cavity = 5; f) plant condition land management practices = 5, h) topographic features = 7, ; i) siltation or algal growth in submerged aqu communities = 7 (normal).						
Score = sum of above scores/30 (f If preservation as miti	igation,		ssessment areas			
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = de	lta x acres =			
or w/o pres with 0.63 0.5	Adjusted mitigation de	elta =	FL = 0.13 x 0.090	5 = 0.012			
	J						
	If mitigation		For mitigation	assessment areas			
Delta = [with-current]	Time lag (t-factor) =		RFG = delta/(t-facto	or x risk) =			
-0.13	Risk factor =			,			
Site/Project Name	Application Number	ber Assessment Area Name			Area Name		
---	---	--	---	--------------------------------------	--	---	--
Gulf NFRC Pha	ase 3				W-C	GOL-366B	
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630					Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.	OFW, AP, other local/state/federa	al designation of importance)	
Apalachicola River							
Geographic relationship to and hy	drologic connection with	h wetlands, other	surface water, upl	ands			
Assessment area is surrounded b	y forested uplands, and	connects to othe	r wetland systems				
Assessment area description The canopy stratum in the outer e sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.), among others.), water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cin	plante sweete etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landscape.)				
Inters	tate highway		Not rare in relation to regional landscape				
Functions			Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and stora	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SS	by Listed Species (List s C), type of use, and inte		
Wading bi	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Uti	lization (List species dir	ectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name		Application Number	Assessment Ar	Assessment Area Name or Number		
Gulf NFR	C Phase 3			W-GOL-366B		
Impact or Mitigation		Assessment conducted by:	Assessment da			
	Clearing)	M. Harrington	Assessment da	4/16/2019		
	0,					
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
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 maintain most wetland/surface waterfunctions	Condition is insufficient to provide wetland/surface water functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	landscape support variable herbaceous community. In (reduced by proximity of bu from outside = 6 (reduced barriers = 6 (downstream fi outside land uses = 6 (adja		ss of contiguous forested pa Support to wildlife listed in F pecies = 9 (negligible covera ions that benefit fish & wildli and ditching; e) Impacts to cally connected areas down	arcels and conversion to Part 1 by outside habitats = 7 age); c) Wildlife access to and te downstream-distance or		
.500(6)(b)Water Environmen (n/a for uplands) w/o pres or current with 7 7	t freshwater marsh, although water levels and flows = 8 consistent with expected; c evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant		parary turbidity impacts. Indiv prs = 8, (consistent with exp 6, (existing erosion from road unity zonation = 7 (typical fo pecies with specific hydrologic quality degradation = 7; j) di	idual parameter scores: a) ected); c) soil moisture = 7, dway, adjacent landuses); e) forested wetland); g)		
.500(6)(c)Community structu 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5 3	Clearing of canopy will con compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density	ted system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody do	eter scores: a) plant commu cover); b) invasive exotics of nent = 5, (consistent with exp ebris, snag, den, and cavity	or other invasive plant species pected); d) age & size		
Score = sum of above scores/30	(if If preservation as mit	tigation,		essment areas		
uplands, divide by 20) current	Preservation adjustm	nent factor =	FL = delta	x acres =		
or w/o pres with 0.63 0.5	Adjusted mitigation d	lelta =	FL = 0.13 x 0.042	= 0.005		
0.00						
	If mitigation		For mitigation as	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =					
			RFG = delta/(t-factor	v riels)		

Site/Project Name	Application Number	ber Assessment Area Name or Number			or Number		
Gulf NFRC Pha	se 3				W-GO	L-368A	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	xisting Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.OF	W, AP, other local/state/federa	al designation of importance)	
Apalachicola River							
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	lands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	6.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, wi veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	f planted sweetgu etto. The namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Interst	ate highway		Not rare in relation to regional landscape				
Functions			Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and stora	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	/ Listed Species (List s), type of use, and inte		
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as tracl	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name				Application Number	Assessment	Assessment Area Name or Number		
	G	ulf NFRC F	Phase 3					
Impact or	Mitigation			Assessment conducted by:	Assessment	date:		
•	-	mpact (Cle	earing)	M. Harrington		4/16/2019		
Scorir	ng Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
indicate what wo for the typ	coring of each or is based on ould be suitable pe of wetland water assesse	e or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	of Condition is insufficient to provide wetland/surface water functions			
	(6)(a) Location ndscape Supp or		landscape support variable herbaceous community. In (reduced by proximity of b from outside = 6 (reduced barriers = 6 (downstream f outside land uses = 6 (adja	usy roads; b) Invasive exotic s to proximity of roads); d) funct flow somewhat limited by roads acent to highway); f) Hydrologi	oss of contiguous forested Support to wildlife listed i species = 9 (negligible cov tions that benefit fish & wil s and ditching; e) Impacts cally connected areas dow	parcels and conversion to n Part 1 by outside habitats = 7 erage); c) Wildlife access to and dlife downstream-distance or		
()	(b)Water Envi n/a for upland or		freshwater marsh, althoug water levels and flows = 8 consistent with expected; d evidence of fire history = 7 hydrologic stress on veget vegetative species toleran	7 (normal); f) vegetation comm tation = 7; h) use by animal sp t of and associated with water	prary turbidity impacts. Incore 8, (consistent with e 6, (existing erosion from r unity zonation = 7 (typical ecies with specific hydrolo quality degradation = 7; j)	dividual parameter scores: a) (xpected); c) soil moisture = 7, (padway, adjacent landuses); e) for forested wetland); g)		
1.	(c)Community Vegetation an Benthic Comm	id/or	compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density	sted system. Individual param = 5 (lacking shrubs and ground s); c) regeneration and recruitn and quality of coarse woody d es = 5, h) topographic features	eter scores: a) plant comr lcover); b) invasive exotionent = 5, (consistent with lebris, snag, den, and cav	s or other invasive plant species		
upl current	um of above sco lands, divide by	20)	If preservation as mi Preservation adjustn	-		assessment areas elta x acres =		
or w/o pre: 0.63	s 	with 0.5	Adjusted mitigation o	delta =	T E = 0.13 X 0.0	00 - 0007		
			If mitigation]		
			1 –		For mitigation	assessment areas		
Del	lta = [with-curr	rent]	Time lag (t-factor) =		RFG = delta/(t-fact			

Site/Project Name	Application Number	ber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	se 3				W-GO	L-368B
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.O	FW, AP, other local/state/federa	I designation of importance)
Apalachicola River						
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	lands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.). among others.	, water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetgr etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative rarity in	relation to the
Interst	ate highway		Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name			Application Number	Assessmen	Assessment Area Name or Number		
G	ulf NFRC F	Phase 3			W-GOL-368B		
Impact or Mitigation			Assessment conducted by:	date:			
	Impact (Cle	earing)	M. Harrington	Assessmen	4/16/2019		
<u> </u>			,				
Scoring Guidance The scoring of each		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is based or what would be suitabl for the type of wetland surface water assesse	n le or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	t of Condition is insufficient to provide wetland/surface water functions			
.500(6)(a) Locatio Landscape Sup w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu from outside = 6 (reduced t barriers = 6 (downstream fl outside land uses = 6 (adja	isy roads; b) Invasive exotic s to proximity of roads); d) funct ow somewhat limited by roads icent to highway); f) Hydrologi	oss of contiguous foreste Support to wildlife listed pecies = 9 (negligible co ions that benefit fish & w s and ditching; e) Impacts cally connected areas do	d parcels and conversion to in Part 1 by outside habitats = 7 verage); c) Wildlife access to and ildlife downstream-distance or		
.500(6)(b)Water Envi (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	(normal; b) water level indicato) soil erosion or deposition = ((normal); f) vegetation commu- ation = 7; h) use by animal spe- of and associated with water	parary turbidity impacts. Ir pors = 8, (consistent with 6 6, (existing erosion from unity zonation = 7 (typica eccies with specific hydrol quality degradation = 7;	dividual parameter scores: a) expected); c) soil moisture = 7, roadway, adjacent landuses); e) I for forested wetland); g)		
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm w/o pres or current 5	nd/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ted system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody do	eter scores: a) plant com lcover); b) invasive exoti nent = 5, (consistent with ebris, snag, den, and cav	significant loss of functional value munity species in the canopy, cs or other invasive plant species expected); d) age & size vity = 5; f) plant condition = 7, ; g) growth in submerged aquatic plant		
Score = sum of above sc uplands, divide by current or w/o pres 0.63		If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =	FL = c	assessment areas elta x acres = 0.536 = 0.070		
		a 					
		It mitigation	1				
Delta = [with-cur	rent]	If mitigation Time lag (t-factor) =		For mitigatio	n assessment areas		

Site/Project Name Application Number			ber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	se 3				W-G0	DL-369A	
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630				I	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.C	DFW, AP, other local/state/federa	I designation of importance)	
Apalachicola River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	<i>r</i> forested uplands, and	connects to othe	r wetland systems	•			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, i species including Virginia chain fer (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	th occurrences of hornbeam, and s ad bluestem palme oweyed grass, cin	plante sweetg etto. Ti namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Interst	ate highway		Not rare in relation to regional landscape				
Functions			Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and storag	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SS	by Listed Species (List s C), type of use, and inte		
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	other signs such	as tra	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number		
Gulf NFR	Phase 3			W-GOL-369A		
Impact or Mitigation		Assessment conducted by:	Assessment da			
Impact of Miligation Impact (0		M. Harrington	Assessment da	4/16/2019		
	Joanny					
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 waterfunctions	of Condition is insufficient to provide wetland/surface water functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	landscape support variable herbaceous community. Ind (reduced by proximity of bu from outside = 6 (reduced t barriers = 6 (downstream fl outside land uses = 6 (adja	sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi	ess of contiguous forested p Support to wildlife listed in pecies = 9 (negligible cover ions that benefit fish & wildl s and ditching; e) Impacts to cally connected areas dowr	arcels and conversion to Part 1 by outside habitats = 7 age); c) Wildlife access to and ife downstream-distance or		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	(normal); f) vegetation comm ation = 7; h) use by animal spe of and associated with water	parary turbidity impacts. Indiv pressure 8, (consistent with exp 6, (existing erosion from roa unity zonation = 7 (typical for eccies with specific hydrologi quality degradation = 7; j) c	vidual parameter scores: a) pected); c) soil moisture = 7, adway, adjacent landuses); e) pr forested wetland); g)		
.500(6)(c)Community structur 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 5 3	Clearing of canopy will com- compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody d	eter scores: a) plant commu loover); b) invasive exotics nent = 5, (consistent with ex ebris, snag, den, and cavity	or other invasive plant species		
Score = sum of above scores/30 uplands, divide by 20)		-	· · · · ·	sessment areas		
current	Preservation adjustm	ent factor =		a x acres =		
or w/o pres with 0.63 0.5	Adjusted mitigation de	elta =	FL = 0.13 x 0.010	= 0.001		
Dolto Inith more th	If mitigation		For mitigation a	assessment areas		
Delta = [with-current]	Time lag (t-factor) =		RFG = delta/(t-factor	r x risk) =		
-0.13	Risk factor =					

Site/Project Name	Application Number	ber Assessment Area Name			Area Name	
Gulf NFRC Pha	ase 3				W-C	GOL-369B
FLUCCs code	Further classific	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size
630					Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Cla	ass)	Special Classificati	on (i.e.	OFW, AP, other local/state/federa	al designation of importance)
Apalachicola River						
Geographic relationship to and hy-	drologic connection wit	h wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	y forested uplands, and	d connects to othe	r wetland systems			
Assessment area description The canopy stratum in the outer er sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.), water oak, and swam maple, loblolly pine, sv fetterbush, needlepalm	ip chestnut oak, w weetbay, Americar n, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cinn	plante sweete etto. T namor	ed loblolly pine along th gum. The shrub stratum he groundcover compri n fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)			
Inters	tate highway		Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	age			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SS	by Listed Species (List s C), type of use, and inte	
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	lization (List species di	rectly observed, or	r other signs such	as tra	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment Ar	Assessment Area Name or Number		
Gulf NFR	C Phase 3			W-GOL-369B		
Impact or Mitigation		Assessment conducted by:	Assessment da			
	Clearing)	M. Harrington	Assessment da	4/16/2019		
	0,					
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
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 maintain most wetland/surface waterfunctions	Condition is insufficient to provide wetland/surface water functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	landscape support variable herbaceous community. In (reduced by proximity of bu from outside = 6 (reduced barriers = 6 (downstream f outside land uses = 6 (adja		ass of contiguous forested pa Support to wildlife listed in F pecies = 9 (negligible covera- ions that benefit fish & wildli and ditching; e) Impacts to cally connected areas down	arcels and conversion to Part 1 by outside habitats = 7 age); c) Wildlife access to and fe downstream-distance or		
.500(6)(b)Water Environmen (n/a for uplands) w/o pres or current with 7 7	t freshwater marsh, although water levels and flows = 8 consistent with expected; o evidence of fire history = 7 hydrologic stress on veget vegetative species toleran		parary turbidity impacts. Indiv prs = 8, (consistent with exp 6, (existing erosion from roa- unity zonation = 7 (typical fo eccies with specific hydrologic quality degradation = 7; j) di	idual parameter scores: a) ected); c) soil moisture = 7, dway, adjacent landuses); e) r forested wetland); g)		
.500(6)(c)Community structur 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5 3	Clearing of canopy will con compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density	sted system. Individual parameters 5 (lacking shrubs and ground s); c) regeneration and recruitm and quality of coarse woody do as = 5, h) topographic features	eter scores: a) plant communicover); b) invasive exotics of the exotics of the exotics of the exotic structure of the exotic s	or other invasive plant species pected); d) age & size		
Score = sum of above scores/30	(if If preservation as mit	tigation,		sessment areas		
uplands, divide by 20) current	Preservation adjustm	nent factor =	FL = delta	a x acres =		
pr w/o pres with	Adjusted mitigation c	lelta =	FL = 0.13 x 0.029 =	= 0.004		
0.63 0.5						
	If mitigation		For mitigation as			
			i or minganori a	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =		RFG = delta/(t-factor			

Site/Project Name	Application Numbe	ber Assessment Area Name or Number			or Number		
Gulf NFRC Pha	se 3				W-GC	DL-372A	
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.O	FW, AP, other local/state/federa	I designation of importance)	
Apalachicola River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fer (<i>Thelvpteris</i> sp.). among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Interst	ate highway		Not rare in relation to regional landscape				
Functions			Mitigation for previous permit/other historic use				
Wildlife habitat, wa	ter treatment and storag	ge			N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	y Listed Species (List s C), type of use, and inte		
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings:	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

			Application Number	Assessment	Assessment Area Name or Number		
G	ulf NFRC F	Phase 3			W-GOL-372A		
Impact or Mitigation			Assessment conducted by:	Assessment	date:		
	Impact (Clearing)				4/16/2019		
Scoring Guidance The scoring of each	1	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is based or what would be suitab for the type of wetland surface water assessed	n le or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	t of Condition is insufficient to provide wetland/surface water functions			
.500(6)(a) Locatio Landscape Sup w/o pres or current 7		landscape support variable herbaceous community. Ind (reduced by proximity of bus from outside = 6 (reduced to barriers = 6 (downstream flo outside land uses = 6 (adjac	sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi	ss of contiguous forested Support to wildlife listed i pecies = 9 (negligible cov ions that benefit fish & wi a and ditching; e) Impacts cally connected areas do	parcels and conversion to n Part 1 by outside habitats = 7 erage); c) Wildlife access to and dlife downstream-distance or		
.500(6)(b)Water Env (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (i consistent with expected; d) evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	normal; b) water level indicato) soil erosion or deposition = ((normal); f) vegetation commu tion = 7; h) use by animal spe of and associated with water	rary turbidity impacts. In ors = 8, (consistent with e 6, (existing erosion from r unity zonation = 7 (typical ecies with specific hydrolo quality degradation = 7; j	dividual parameter scores: a) xpected); c) soil moisture = 7, oadway, adjacent landuses); e) for forested wetland); g)		
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm w/o pres or	nd/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm and quality of coarse woody do	eter scores: a) plant comr cover); b) invasive exotion nent = 5, (consistent with ebris, snag, den, and cav	ity = 5; f) plant condition = 7, ; g)		
current 5	with 3				rowth in submerged aquatic plant		
current	3 cores/30 (if		ent factor =	For impact	rowth in submerged aquatic plant assessment areas elta x acres = 264 = 0.164		
Score = sum of above so uplands, divide by current pr w/o pres	3 cores/30 (if / 20) with	If preservation as mitine Preservation adjustme Adjusted mitigation de	ent factor =	For impact a	assessment areas elta x acres =		
Score = sum of above so uplands, divide by current pr w/o pres	3 cores/30 (if / 20) with 0.5	If preservation as miti	ent factor =	For impact a FL = d FL = 0.13 x 1.	assessment areas elta x acres =		

Site/Project Name		Application Number	er	A	Assessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GC	DL-372
FLUCCs code	Further classifica	ation (optional)		Impact	Assessment Area Size	
630			Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River						
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	lands		
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.), water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	^r planted sweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

			Application Number	Assessment	Assessment Area Name or Number		
Gulf NFRC Phase 3					W-GOL-372		
Impact or Mitigation			Assessment conducted by:	Assessment	date:		
impact of imagatori	Impact (Fill)	M. Harrington				
Scoring Guidance The scoring of each		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is based or what would be suitab for the type of wetland surface water assess	n Ile I or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support wetland/surface water functions			
.500(6)(a) Locatic Landscape Sup w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu from outside = 6 (reduced t barriers = 6 (downstream fl outside land uses = 6 (adja	isy roads; b) Invasive exotic s to proximity of roads); d) functi ow somewhat limited by roads icent to highway); f) Hydrologid	ss of contiguous forested Support to wildlife listed in pecies = 9 (negligible cove ons that benefit fish & wild and ditching; e) Impacts cally connected areas dow	parcels and conversion to n Part 1 by outside habitats = 7 erage); c) Wildlife access to and dlife downstream-distance or		
.500(6)(b)Water Env (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	I temporarily impact the water environment variable, converting forested system to a bugh silt fencing will reduce temporary turbidity impacts. Individual parameter scores: a) = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = 7, d; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses); e) = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) getation = 7; h) use by animal species with specific hydrological requirements = 7; i) rant of and associated with water quality degradation = 7; j) direct observation of water qualitf. K) existing water quality data = N/A; 1) water depth wave, wave energy, currents and light.				
.500(6)(c)Community 1. Vegetation a	/ structure	0	vert the system to a freshwate				
2. Benthic Comn w/o pres or <u>current</u> 5		shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a); c) regeneration and recruitm and quality of coarse woody de	eter scores: a) plant comm cover); b) invasive exotic ent = 5, (consistent with e ebris, snag, den, and cavi	s or other invasive plant species		
2. Benthic Comn w/o pres or current	with 0 cores/30 (if	shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices communities = 7 (normal).	5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody de s = 5, h) topographic features igation, ent factor =	eter scores: a) plant comm cover); b) invasive exotic ent = 5, (consistent with e ebris, snag, den, and cavi = 7, ; i) siltation or algal g	unity species in the canopy, s or other invasive plant species expected); d) age & size ty = 5; f) plant condition = 7, ; g)		
2. Benthic Comm w/o pres or current 5 Score = sum of above so uplands, divide by current pr w/o pres	with 0 cores/30 (if y 20) with	shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices communities = 7 (normal).	5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody de s = 5, h) topographic features igation, ent factor =	eter scores: a) plant comm cover); b) invasive exotic ent = 5, (consistent with e ebris, snag, den, and cavi = 7, ; i) siltation or algal g For impact a FL = de FL: 0.005 a	sor other invasive plant species expected); d) age & size ty = 5; f) plant condition = 7, ; g) rowth in submerged aquatic plant ssessment areas <u>lta x acres =</u> c. x 0.63 = 0.003		
2. Benthic Comn w/o pres or current 5 Score = sum of above so uplands, divide by current pr w/o pres	with 0 cores/30 (if y 20) with 0	shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices communities = 7 (normal).	5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody de s = 5, h) topographic features igation, ent factor =	eter scores: a) plant comm cover); b) invasive exotic ent = 5, (consistent with e ebris, snag, den, and cavi = 7, ; i) siltation or algal g For impact a FL = de FL: 0.005 a	s or other invasive plant species expected); d) age & size ty = 5; f) plant condition = 7, ; g) rowth in submerged aquatic plant		

Site/Project Name		Application Numbe	er	ŀ	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-373B
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630			Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fer (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	^r plante sweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and storag	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name				Application Number	Assessment	Assessment Area Name or Number		
	Gι	ulf NFRC F	Phase 3			W-GOL-373B		
Impact or Mit	tigation			Assessment conducted by:	Assessment	date:		
	-	mpact (Cle	aring)	M. Harrington	4/16/2019			
	Guidance ng of each	_	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
	s based on be suitable of wetland	e or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of suppor wetland/surface wate functions			
	(a) Locatior		landscape support variable herbaceous community. Ir (reduced by proximity of b access to and from outside distance or barriers = 7 (de 1 by outside land uses = 6	usy roads; b) Invasive exotic s e = 6 (reduced to proximity of r ownstream flow somewhat limi	oss of contiguous forester Support to wildlife listed pecies = 5 (moderate cov roads); d) functions that b ted by roads and ditching rologically connected area	d parcels and conversion to in Part 1 by outside habitats = 6 verage of Lygodium); c) Wildlife venefit fish & wildlife downstream- ; e) Impacts to wildlife listed in Pa as downstream of assessment are		
	Nater Envii for uplands		freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = 7 hydrologic stress on veget vegetative species toleran	Il temporarily impact the water environment variable, converting forested system to a bugh silt fencing will reduce temporary turbidity impacts. Individual parameter scores: a) = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = 7, ed; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses); e) = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) egetation = 7; h) use by animal species with specific hydrological requirements = 7; i) erant of and associated with water quality degradation = 7; j) direct observation of water quality ff. K) existing water quality data = N/A; I) water depth wave, wave energy, currents and light				
1. Veç	Community getation an thic Commu	d/or	compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density	sted system. Individual parameter 5 (lacking shrubs and ground s); c) regeneration and recruitn and quality of coarse woody d es = 5, h) topographic features	eter scores: a) plant com lcover); b) invasive exoti nent = 5, (consistent with ebris, snag, den, and cav	cs or other invasive plant species		
Score = sum			If preservation as mi	tigation,		assessment areas		
upland current	ls, divide by	20)	Preservation adjustn	nent factor =	FL = d	elta x acres =		
or w/o pres		with	Adjusted mitigation o	delta =	0.1x0	.036 = 0.004		
0.60		0.5			<u> </u>			
			If mitigation					
			II IIIIigation		For mitigation	n assessment areas		
Delta =	= [with-curr	ent]	Time lag (t-factor) =		For mitigation			

Site/Project Name		Application Number	er	/	Assessment Area Name	or Number
Gulf NFRC Pha	ase 3				W-GOI	L-373C
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630			Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River						
Geographic relationship to and hy	drologic connection with	h wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.). among others.), water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cinn	plante sweetgi etto. Th namon	d loblolly pine along th um. The shrub stratum ae groundcover compri fern, blackberry, grape	e edges. The comprises highbush ises of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name Gulf NFRC						
	EDASE 3			W-GOL-373C		
Impact or Mitigation		Accessment conducted by:	Accessment de			
Impact or Mitigation Impact	(Fill)	M. Harrington	Assessment conducted by: Assessment date: M. Harrington			
	(' ''')					
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 waterfunctions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	landscape support variable herbaceous community. Ind (reduced by proximity of bus from outside = 6 (reduced to barriers = 6 (downstream flo outside land uses = 6 (adjac	o proximity of roads); d) functi ow somewhat limited by roads cent to highway); f) Hydrologic	ss of contiguous forested pa Support to wildlife listed in F becies = 9 (negligible covera ons that benefit fish & wildlif and ditching; e) Impacts to cally connected areas downs	arcels and conversion to Part 1 by outside habitats = 7 age); c) Wildlife access to and fe downstream-distance or		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (i consistent with expected; d) evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	Il temporarily impact the water environment variable, converting forested system to a bugh silt fencing will reduce temporary turbidity impacts. Individual parameter scores: a) = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = 7, ed; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses); e) = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) egetation = 7; h) use by animal species with specific hydrological requirements = 7; i) rrant of and associated with water quality degradation = 7; j) direct observation of water qualiff. K) existing water quality data = N/A; I) water depth wave, wave energy, currents and light.				
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 5 3	compared to existing forestor shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm and quality of coarse woody de	eter scores: a) plant communicover); b) invasive exotics of ent = 5, (consistent with experience, snag, den, and cavity	or other invasive plant species		
Score = sum of above scores/30 (if uplands, divide by 20) (if uplands, divide by 20) current with 0.63 0.5	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =	FL = delta	x 0.13 = 0.076		
	If mitigation		For mitigation of	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =					
	_ <u> </u>	I				

Site/Project Name		Application Numbe	er	4	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-373D
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630			Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ises of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name			Application Number	As	Assessment Area Name or Number		
G	ulf NFRC F	Phase 3				W-GOL-373D	
Impact or Mitigation	-	-	Assessment conducted by:	Δε	sessment date		
	mpact (Cle	earing)	M. Harrington			4/16/2019	
		0,					
Scoring Guidance The scoring of each	\square	Optimal (10)	Moderate(7) Condition is less than	Minim	nal (4)	Not Present (0)
indicator is based on what would be suitable for the type of wetland surface water assesse	e or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level wetland/sur funct	face water	Condition is insuffic provide wetland/surfa functions	
.500(6)(a) Location Landscape Supp w/o pres or current 7		landscape support variable herbaceous community. Ind (reduced by proximity of bus from outside = 6 (reduced to barriers = 6 (downstream flo outside land uses = 6 (adjac	sociated with clearing the tran- for wetland forests through lo lividual parameter scores: a) sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologie pendency of downstream are	ss of contiguou Support to wild pecies = 9 (neg ions that benefi s and ditching; e cally connected	Is forested par life listed in Pa ligible coverag it fish & wildlife e) Impacts to v areas downst	rcels and conversion to art 1 by outside habita ge); c) Wildlife access e downstream-distance wildlife listed in Part 1 l tream of assessment a	ts = 7 to and e or by area = 7
.500(6)(b)Water Envi (n/a for upland w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (i consistent with expected; d) evidence of fire history = 7 (i hydrologic stress on vegeta vegetative species tolerant	I temporarily impact the water environment variable, converting forested system to a ough silt fencing will reduce temporary turbidity impacts. Individual parameter scores: a) = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = 7, d; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses); e) = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) getation = 7; h) use by animal species with specific hydrological requirements = 7; i) rant of and associated with water quality degradation = 7; j) direct observation of water qual ff. K) existing water quality data = N/A; I) water depth wave, wave energy, currents and ligh				
.500(6)(c)Community 1. Vegetation an 2. Benthic Comm w/o pres or current 5	nd/or	compared to existing foreste shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	vert the system to a freshwate ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm and quality of coarse woody do s = 5, h) topographic features	eter scores: a) p cover); b) invas nent = 5, (consis ebris, snag, der	plant communi sive exotics or stent with expe n, and cavity =	ity species in the cano r other invasive plant s ected); d) age & size = 5; f) plant condition =	py, species 7, ; g)
Score = sum of above sco		If preservation as mitig	gation,	Fo		essment areas	
uplands, divide by current	20)	Preservation adjustme	ent factor =		FL = delta	x acres =	
pr w/o pres	with 0.5	Adjusted mitigation de	elta =		0.13x0.073	3 = 0.009	
		J					
	rontl	If mitigation		For	mitigation ass	sessment areas	
Delta = [with-curr -0.13	end	Time lag (t-factor) = Risk factor =		RFG = d	elta/(t-factor x	risk) =	

Site/Project Name		Application Number	er	A	Assessment Area Name	or Number
Gulf NFRC Pha	ase 3				W-GO	L-373E
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630			Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River						
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	lands		
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	6.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.), water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	f planted sweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment Ar	ea Name or Number		
Gulf NFRC F	hase 3			W-GOL-373E		
Impact or Mitigation		Assessment conducted by:	Assessment da	te:		
Impact (Cle	earing)	M. Harrington		4/16/2019		
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is based on	Condition is optimal and fully supports	optimal, but sufficient to	Minimal level of support of			
what would be suitable for the type of wetland or	wetland/surface water	maintain most wetland/surface	wetland/surface water functions	provide wetland/surface water functions		
surface water assessed	functions	waterfunctions				
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5 .500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	landscape support variable herbaceous community. Ind (reduced by proximity of bus from outside = 6 (reduced to barriers = 6 (downstream flo outside land uses = 6 (adjac (normal connectivity); g) De dependent). Clearing the canopy will terr freshwater marsh, although water levels and flows = 8 (r consistent with expected; d) evidence of fire history = 7 (hydrologic stress on vegeta vegetative species tolerant	associated with clearing the transmission line ROW would reduce the location and able for wetland forests through loss of contiguous forested parcels and conversion to . Individual parameter scores: a) Support to wildlife listed in Part 1 by outside habitats = i f busy roads; b) Invasive exotic species = 9 (negligible coverage); c) Wildlife access to an ed to proximity of roads); d) functions that benefit fish & wildlife downstream-distance or m flow somewhat limited by roads and ditching; e) Impacts to wildlife listed in Part 1 by adjacent to highway); f) Hydrologically connected areas downstream of assessment area) Dependency of downstream areas on assessment area = 7 (downstream areas somewh l temporarily impact the water environment variable, converting forested system to a hugh silt fencing will reduce temporary turbidity impacts. Individual parameter scores: a) = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = 7, d; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses); e = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) getation = 7; h) use by animal species with specific hydrological requirements = 7; i) rant of and associated with water quality degradation = 7; j) direct observation of water quality ff. K) existing water quality data = N/A; 1) water depth wave, wave energy, currents and light.				
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 5 3	compared to existing foreste shrub, or ground stratum = 5 = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and groundo ; c) regeneration and recruitm ind quality of coarse woody de	eter scores: a) plant commun cover); b) invasive exotics of ent = 5, (consistent with exp ebris, snag, den, and cavity	or other invasive plant species		
Score = sum of above scores/30 (if	If preservation as mitig	gation.	For impact ass	essment areas		
uplands, divide by 20)	Preservation adjustme		FL = delta			
current pr w/o pres with	Adjusted mitigation de		0.13x0.2	59 = 0.034		
0.63 0.5						
	If mitigation					
r	Time lag (t-factor) =		For mitigation as	sessment areas		
Delta = [with-current]						

			Application Number	Assessment	Assessment Area Name or Number		
G	ulf NFRC F	Phase 3			W-GOL-373E		
Impact or Mitigation			Assessment conducted by:	Assessment	date:		
inipact of miligation	Impact (Fill)	M. Harrington	,			
Scoring Guidance The scoring of each		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is based or what would be suitab for the type of wetland surface water assesse	n le or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of suppor wetland/surface wate functions			
.500(6)(a) Locatio Landscape Sup w/o pres or current 7		landscape support variable herbaceous community. Ind (reduced by proximity of bus from outside = 6 (reduced to barriers = 6 (downstream flo outside land uses = 6 (adjac	sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologio	ss of contiguous forested Support to wildlife listed becies = 9 (negligible cov ons that benefit fish & wi and ditching; e) Impacts cally connected areas do	d parcels and conversion to in Part 1 by outside habitats = 7 verage); c) Wildlife access to and Idlife downstream-distance or		
.500(6)(b)Water Env (n/a for uplanc w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (i consistent with expected; d) evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	I temporarily impact the water environment variable, converting forested system to a bugh silt fencing will reduce temporary turbidity impacts. Individual parameter scores: a) = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = 7, id; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses); e) = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) getation = 7; h) use by animal species with specific hydrological requirements = 7; i) rant of and associated with water quality degradation = 7; j) direct observation of water qualiff. K) existing water quality data = N/A; 1) water depth wave, wave energy, currents and light				
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm	nd/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm ind quality of coarse woody do	eter scores: a) plant comi cover); b) invasive exotion lent = 5, (consistent with			
w/o pres or current 5	with 0	communities = 7 (normal).	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	= 7, ; i) siltation or algal (
current	0 cores/30 (if	communities = 7 (normal).	gation, ent factor =	For impact FL = d	assessment areas elta x acres = ac. x 0.63 = 0.003		
Score = sum of above so uplands, divide by current pr w/o pres	0 cores/30 (if / 20) with	communities = 7 (normal). If preservation as mitigeneric preservation adjustme	gation, ent factor =	For impact FL = d FL: 0.005 a	growth in submerged aquatic plant assessment areas elta x acres = ac. x 0.63 = 0.003		
Score = sum of above so uplands, divide by current pr w/o pres	0 cores/30 (if / 20) with 0	communities = 7 (normal). If preservation as miti Preservation adjustme Adjusted mitigation de	gation, ent factor =	For impact FL = d FL: 0.005 a	growth in submerged aquatic plant assessment areas elta x acres =		

Site/Project Name		Application Numbe	er	ŀ	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-374A
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630			Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	6.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvoteris</i> sp.). among others.	, water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	f planted sweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative rarity in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	ter treatment and stora	ge			N/A	
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name			Application Number	A	Assessment Area Name or Number		
	NFRC Ph	ase 3				W-GOL-374A	
Impact or Mitigation			Assessment conducted by: Assessment da			2.	
	act (Cleai	ring)	M. Harrington				
Scoring Guidance The scoring of each	_	Optimal (10)	Moderate(7) Condition is less than	Minii	mal (4)	Not Present (0)
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 maintain most wetland/surface waterfunctions	timal, but sufficient to maintain most wetland/surface functions		Condition is insuffic provide wetland/surfa functions	
.500(6)(a) Location ar Landscape Support w/o pres or current 7	nd la h (r fr b with (r	andscape support variable erbaceous community. Ind reduced by proximity of bus rom outside = 6 (reduced to arriers = 6 (downstream flo utside land uses = 6 (adjac	sociated with clearing the tran for wetland forests through lo lividual parameter scores: a) sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi ependency of downstream are	ss of contigue Support to wil pecies = 9 (ne ions that bene and ditching; cally connecte	ous forested par Idlife listed in Pa gligible coverag fit fish & wildlife e) Impacts to v d areas downst	cels and conversion to art 1 by outside habitat ge); c) Wildlife access a downstream-distance vildlife listed in Part 1 b ream of assessment a	ts = 7 to and e or by area = 7
.500(6)(b)Water Environi (n/a for uplands) w/o pres or current 7	ment fr w c e h v =	reshwater marsh, although vater levels and flows = 8 (i onsistent with expected; d) vidence of fire history = 7 (i ydrologic stress on vegeta egetative species tolerant	nporarily impact the water env silt fencing will reduce tempo normal; b) water level indicate) soil erosion or deposition = ((normal); f) vegetation commu- tion = 7; h) use by animal spe of and associated with water) existing water quality data =	orary turbidity i ors = 8, (consis 6, (existing erc unity zonation ecies with spec quality degrad	mpacts. Individ stent with exper- osion from roads = 7 (typical for cific hydrologica lation = 7; j) dire	ual parameter scores: cted); c) soil moisture = way, adjacent landuse: forested wetland); g) al requirements = 7; i) ect observation of wate	= 7́, s); e) er quality
.500(6)(c)Community stru 1. Vegetation and/o 2. Benthic Communit w/o pres or <u>current</u> 5	r s y d la	ompared to existing foreste hrub, or ground stratum = 7, (few nuisance species) istribution = 5; e) density a	vert the system to a freshwate ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm and quality of coarse woody do s = 5, h) topographic features	eter scores: a) cover); b) inv nent = 5, (cons ebris, snag, de	plant communi asive exotics or sistent with expe en, and cavity =	ty species in the canop other invasive plant s ected); d) age & size 5; f) plant condition =	py, species 7, ; g)
Score = sum of above scores		If preservation as mitig	gation,	F	For impact asse		
uplands, divide by 20) current		Preservation adjustme	ent factor =		FL = delta	x acres =	
	with 0.5	Adjusted mitigation de	elta =		0.13x1.20	3 = 0.156	
		If mitigation		Fo	or mitigation ass	sessment areas	
Delta = [with-current	J	Time lag (t-factor) =		RFG =	delta/(t-factor x	risk) =	
-0.13 Risk factor =				n 0 -	SOLUTION A	LIMIN/	

Site/Project Name	Application Numbe	ber Assessment Area Name or Number			or Number		
Gulf NFRC Pha	se 3				W-GO	L-374AB	
FLUCCs code	Further classifica	ation (optional)		Impact	npact or Mitigation Site? Assessment Area		
630				E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Apalachicola River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fer (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ises of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		ing the relative rarity in	relation to the	
Interst		Not rare in relation to regional landscape					
Functions		Mitigation for pre	evious p	permit/other historic us	e		
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff			4/16/2019				

Site/Project Name		Application Number	Assessme	Assessment Area Name or Number		
Gulf NFRC	Phase 3			W-GOL-374AB		
Impact or Mitigation		Assessment conducted by:	nt date:			
Impact (Cl	earing)	M. Harrington				
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
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 maintain most wetland/surface waterfunctions	Minimal level of supp wetland/surface wa functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 7 5	landscape support variable herbaceous community. Inc (reduced by proximity of bu from outside = 6 (reduced to barriers = 6 (downstream file outside land uses = 6 (adjac	sy roads; b) Invasive exotic s o proximity of roads); d) functi ow somewhat limited by roads cent to highway); f) Hydrologie	ss of contiguous forest Support to wildlife liste pecies = 9 (negligible co ions that benefit fish & s and ditching; e) Impac cally connected areas co			
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	normal; b) water level indicato) soil erosion or deposition = 6 (normal); f) vegetation commu ation = 7; h) use by animal spe of and associated with water	rary turbidity impacts. ors = 8, (consistent with 6, (existing erosion from unity zonation = 7 (typic ecies with specific hydro quality degradation = 7	Individual parameter scores: a) expected); c) soil moisture = 7, n roadway, adjacent landuses); e) cal for forested wetland); g)		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 5 3	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody do	eter scores: a) plant cor cover); b) invasive exc nent = 5, (consistent wit ebris, snag, den, and ca	h significant loss of functional value mmunity species in the canopy, tics or other invasive plant species h expected); d) age & size avity = 5; f) plant condition = 7, ; g) I growth in submerged aquatic plant		
Score = sum of above scores/30 (if	If preservation as miti	gation,		ct assessment areas		
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL =	delta x acres =		
or w/o pres with	Adjusted mitigation de	elta =	0.13	8x0.466 = 0.061		
	J					
	If mitigation	For mitigation		on assessment areas		
Delta = [with-current] -0.13	Time lag (t-factor) =		RFG = delta/(t-fa	actor x risk) =		
-0.13	INSK IACIUI -					

Site/Project Name	Application Number	ber Assessment Area Name or Number			or Number		
Gulf NFRC Pha	ise 3				W-GO	L-374B	
FLUCCs code	Further classifica	ation (optional)		Impact	mpact or Mitigation Site? Assessment Area		
630				E	xisting Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Apalachicola River							
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	lands			
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	6.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.), water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	f planted sweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		ng the relative rarity in	relation to the	
Interst		Not rare in relation to regional landscape					
Functions			Mitigation for pre	evious p	ermit/other historic us	е	
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	ə(s):			
M. Harrington/M. Goff			4/16/2019				

1	t Name	Site/Project Name			Assessment A	Assessment Area Name or Number		
	Gu	ulf NFRC F	Phase 3			W-GOL-374B		
Impact or N	litigation			Assessment conducted by:	Assessment of	late:		
	-	mpact (Cle	aring)	M. Harrington		4/16/2019		
Scoring	g Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
indicator what woul for the type	ring of each is based on ld be suitable e of wetland ater assesse	or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions		
•	i)(a) Locatior dscape Supp		landscape support variable herbaceous community. Ind (reduced by proximity of bus from outside = 6 (reduced to barriers = 6 (downstream flo outside land uses = 6 (adjac	sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologio	ss of contiguous forested Support to wildlife listed in pecies = 9 (negligible cove ons that benefit fish & wild and ditching; e) Impacts cally connected areas dow	parcels and conversion to Part 1 by outside habitats = 7 prage); c) Wildlife access to and llife downstream-distance or		
 .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scores water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landus evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of wa e 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, currents penetration = N/A. 					ividual parameter scores: a) pected); c) soil moisture = 7, adway, adjacent landuses); e) for forested wetland); g) gical requirements = 7; i) direct observation of water quality			
 Vegetation and/or Benthic Community compared to existing forester shrub, or ground stratum = 5 distribution = 5; e) density a 				ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm and quality of coarse woody do	eter scores: a) plant comm cover); b) invasive exotic lent = 5, (consistent with e ebris, snag, den, and cavit	s or other invasive plant species xpected); d) age & size		
current					= 7, ; i) siltation or algal gr	y = 5; f) plant condition = 7, ; g) owth in submerged aquatic plant		
current 5 Score = sum	n of above scc nds, divide by	3 pres/30 (if	communities = 7 (normal).	gation, ent factor =	For impact a FL = de			
Score = sum uplar current		3 pres/30 (if 20)	communities = 7 (normal). If preservation as mitig Preservation adjustme Adjusted mitigation de	gation, ent factor =	For impact a FL = de	owth in submerged aquatic plant ssessment areas ta x acres =		
current 5 Score = sum uplar current br w/o pres 0.63		3 pres/30 (if 20) with 0.5	communities = 7 (normal). If preservation as mitig Preservation adjustme	gation, ent factor =	For impact a FL = de 0.13x0	owth in submerged aquatic plant ssessment areas ta x acres =		

Site/Project Name	Application Number	Der Assessment Area Name or Number			or Number			
Gulf NFRC Pha	ase 3				W-GOI	L-374C		
FLUCCs code	Further classifica	ation (optional)		Impact	mpact or Mitigation Site? Assessment Area			
630				E	xisting Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance)				
Apalachicola River								
Geographic relationship to and hyd	drologic connection with	h wetlands, other	surface water, upl	lands				
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	i.				
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.), water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetgi etto. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns		
Significant nearby features			regional landsca		ng the relative rarity in	relation to the		
Interst		Not rare in relation to regional landscape						
Functions		Mitigation for pre	evious p	ermit/other historic us	e			
Wildlife habitat, wa	ter treatment and stora	ge	N/A					
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)					
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).					
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):		
Additional relevant factors:								
Assessment conducted by:			Assessment date	e(s):				
M. Harrington/M. Goff			4/16/2019					

Site/Proje	ect Name			Application Number	Assessmen	Assessment Area Name or Number		
	Gu	ulf NFRC F	Phase 3			W-GOL-374C		
Impact or	Mitigation			Assessment conducted by:	Assessment conducted by: Assessment da			
•	-	mpact (Cle	earing)	M. Harrington		4/16/2019		
Scorii	ng Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
indicate what wo for the ty	coring of each or is based on ould be suitable pe of wetland water assesse	e or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of suppo wetland/surface wat functions			
	(6)(a) Locatior ndscape Supp pr		landscape support variable herbaceous community. In (reduced by proximity of bu from outside = 6 (reduced barriers = 6 (downstream f outside land uses = 6 (adja	usy roads; b) Invasive exotic s to proximity of roads); d) funct low somewhat limited by roads acent to highway); f) Hydrologi	oss of contiguous foreste Support to wildlife listed pecies = 9 (negligible co tions that benefit fish & w s and ditching; e) Impact cally connected areas do	d parcels and conversion to in Part 1 by outside habitats = 7 verage); c) Wildlife access to and <i>i</i> ldlife downstream-distance or		
 .500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scores water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuse evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of wate = 6, receives road runoff. K) existing water quality data = N/A; 1) water depth wave, wave energy, currents a penetration = N/A. 						ndividual parameter scores: a) expected); c) soil moisture = 7, roadway, adjacent landuses); e) al for forested wetland); g) logical requirements = 7; i) j) direct observation of water quality		
 Vegetation and/or Benthic Community compared to existing forester shrub, or ground stratum = 5 distribution = 5; e) density a 				ted system. Individual parame 5 (lacking shrubs and ground ;); c) regeneration and recruitn and quality of coarse woody d	eter scores: a) plant com lcover); b) invasive exot nent = 5, (consistent with ebris, snag, den, and ca	significant loss of functional value munity species in the canopy, ics or other invasive plant species expected); d) age & size vity = 5; f) plant condition = 7, ; g) growth in submerged aquatic plant		
	um of above sco lands, divide by		If preservation as mi Preservation adjustm	-		assessment areas delta x acres =		
or w/o pre	s	with 0.5	Adjusted mitigation o	lelta =	0.13	x0.025= 0.003		
0.63			-					
0.63			If mitigation		For mitigatio	n assessment areas		
	lta = [with-curr	ent]	If mitigation Time lag (t-factor) =		For mitigatio	n assessment areas		

Site/Project Name	Application Numbe	Assessment Area Name or Number			or Number			
Gulf NFRC Pha	se 3				W-GOI	L-374D		
FLUCCs code	Further classifica	ation (optional)		Impact	mpact or Mitigation Site? Assessment Area			
630				E	xisting Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance)				
Apalachicola River								
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands				
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.				
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.). among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ae groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns		
Significant nearby features	regional landsca		ng the relative rarity in	relation to the				
Interst		Not rare in relation to regional landscape						
Functions			Mitigation for pre	vious p	permit/other historic us	e		
Wildlife habitat, wa	ter treatment and storag	ge	N/A					
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)					
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).					
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):		
Additional relevant factors:								
Assessment conducted by:			Assessment date	e(s):				
M. Harrington/M. Goff			4/16/2019					

Gu					Assessment Area Name or Number		
Gulf NFRC Phase 3					W-GOL-374D		
Impact or Mitigation			Assessment conducted by:	ate:			
	mpact (Cle	earing)	M. Harrington		4/16/2019		
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 surface water assesse	e or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions			
.500(6)(a) Locatior Landscape Supp w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bu from outside = 6 (reduced to barriers = 6 (downstream flo outside land uses = 6 (adjac	sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi	ss of contiguous forested p Support to wildlife listed in pecies = 9 (negligible cover ions that benefit fish & wild and ditching; e) Impacts to cally connected areas down	arcels and conversion to Part 1 by outside habitats = 7 age); c) Wildlife access to and ife downstream-distance or		
.500(6)(b)Water Environment (n/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter so water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil mois consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent lar evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of = 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, current penetration = N/A.					vidual parameter scores: a) bected); c) soil moisture = 7, adway, adjacent landuses); e) br forested wetland); g) ical requirements = 7; i) lirect observation of water quality		
.500(6)(c)Community 1. Vegetation an 2. Benthic Comm w/o pres or <u>current</u> 5	d/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody d	eter scores: a) plant commu cover); b) invasive exotics nent = 5, (consistent with ex ebris, snag, den, and cavity	or other invasive plant species		
Score = sum of above sco uplands, divide by current or w/o pres 0.63		If preservation as miti Preservation adjustmo Adjusted mitigation de	ent factor =	FL = delt	sessment areas a x acres = 33 = 0.043		
		If mitigation		For mitigation a	assessment areas		
Delta = [with-current] Time lag (t-factor) = -0.13 Risk factor =							

Site/Project Name	Application Numbe	ber Assessment Area Name or Number			or Number		
Gulf NFRC Pha	se 3				W-GC	DL-375	
FLUCCs code	Further classifica	ation (optional)		Impact	npact or Mitigation Site? Assessment Area		
630				E	xisting Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Apalachicola River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands			
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	plante sweetgi etto. Th namon	d loblolly pine along th um. The shrub stratum ae groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features	regional landsca		ng the relative rarity in	relation to the			
Interst		Not rare in relation to regional landscape					
Functions		Mitigation for pre	evious p	permit/other historic us	e		
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington			4/16/2019				

Site/Project Name			Application Number	A	Assessment Area Name or Number		
	If NFRC F	Phase 3				W-GOL-375	
			Assessment conducted by: Assessment da				
Impact or Mitigation	npact (Cle	earing)	Assessment conducted by: M. Harrington	A	ssessment date	4/16/2019	
		suring)	W. Harnigton			4/10/2010	
Scoring Guidance		Optimal (10)	Moderate(7)	Minir	mal (4)	Not Present (0)
indicator is based on what would be suitable	what would be suitable or the type of wetland or		Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	wetland/su	el of support of urface water ctions	Condition is insuffic provide wetland/surfa functions	
.500(6)(a) Location Landscape Suppo w/o pres or current 7	landscape support variable herbaceous community. Inc (reduced by proximity of bu from outside = 6 (reduced to barriers = 6 (downstream flo outside land uses = 6 (adja	sociated with clearing the tran for wetland forests through lo dividual parameter scores: a) sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi apendency of downstream are	oss of contiguo Support to wil pecies = 9 (ne ions that bene s and ditching; cally connecte	ous forested par dlife listed in Pa gligible coverag fit fish & wildlife e) Impacts to v d areas downst	rcels and conversion to art 1 by outside habita ge); c) Wildlife access e downstream-distance wildlife listed in Part 1 l tream of assessment a	ts = 7 to and e or by area = 7	
 .500(6)(b)Water Environment (n/a for uplands) W/o pres or current with 7 7 7 Clearing the canopy will temporarily impact the water environment variable, converting forested system to freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter score water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected; c) soil moisture consistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent lander evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological requirements = 7 vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of vegetation = N/A. 					dual parameter scores cted); c) soil moisture way, adjacent landuse forested wetland); g) al requirements = 7; i) ect observation of wate	= 7, s); e) er quality	
.500(6)(c)Community s 1. Vegetation and 2. Benthic Commu w/o pres or current 5	l/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	vert the system to a freshwate ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm and quality of coarse woody d s = 5, h) topographic features	eter scores: a) lcover); b) inva nent = 5, (cons ebris, snag, de	plant communi asive exotics or sistent with expe en, and cavity =	ity species in the cano r other invasive plant s ected); d) age & size = 5; f) plant condition =	py, species 7, ; g)
Score = sum of above scor uplands, divide by 2 current pr w/o pres 0.63		If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =	F	For impact asse FL = delta FL: 0.326 ac.		
· · · · · ·		If mitigation					
Delta = [with-curre	ent]	Time lag (t-factor) =		For mitigation assessment areas		sessment areas	
-0.13	-	Risk factor =		RFG =	delta/(t-factor x	risk) =	
		Ⅰ ∟					

Site/Project Name	Application Number	Assessment Area Name or Number			or Number		
Gulf NFRC Pha	ase 3				W-GC	DL-376	
FLUCCs code	Further classifica	ation (optional)		Impact	npact or Mitigation Site? Assessment Area		
630				E	existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)				
Apalachicola River							
Geographic relationship to and hy	drologic connection with	h wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	y silviculture, and conne	ects to other wetla	ind systems.				
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.), water oak, and swam maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, wi veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cin	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features	Uniqueness (co regional landsca		ing the relative rarity in	relation to the			
Silvicultural o		Not rare in relation to regional landscape					
Functions		Mitigation for pre	vious p	permit/other historic us	e		
Wildlife habitat, wa	ter treatment and stora	ge	N/A				
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)				
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).				
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	cks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
			1				
Assessment conducted by:			Assessment date 4/16/2019	e(s):			
M. Harrington			10/2019				

Site/Project Name			Application Number	Asse	Assessment Area Name or Number		
	ulf NFRC F	Phase 3				W-GOL-376	
Impact or Mitigation			Assessment conducted by:	Asse	essment date		
	mpact (Cle	aring)	M. Harrington			4/16/2019	
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 surface water assesse	e or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of wetland/surfa functio	ce water	Condition is insuffi provide wetland/surfa functions	
.500(6)(a) Locatior Landscape Supp w/o pres or current 7		landscape support variable herbaceous community. Inc (reduced by proximity of bus from outside = 6 (reduced to barriers = 6 (downstream flo outside land uses = 6 (adjac	sociated with clearing the tran for wetland forests through ld dividual parameter scores: a sy roads; b) Invasive exotics o proximity of roads); d) func ow somewhat limited by road cent to highway); f) Hydrolog ependency of downstream are	oss of contiguous) Support to wildlif species = 9 (neglig tions that benefit f s and ditching; e) ically connected a	forested par- e listed in Pa jible coverag ish & wildlife Impacts to w reas downst	cels and conversion f art 1 by outside habita ge); c) Wildlife access e downstream-distanc vildlife listed in Part 1 ream of assessment	its = 7 to and e or by area = 7
.500(6)(b)Water Envii (n/a for uplands w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	nporarily impact the water en silt fencing will reduce tempor normal; b) water level indicat) soil erosion or deposition = (normal); f) vegetation comm ation = 7; h) use by animal sp of and associated with water c) existing water quality data =	orary turbidity impa tors = 8, (consisten 6, (existing erosio nunity zonation = 7 vecies with specific quality degradatio	acts. Individ nt with expect n from roady (typical for f hydrologica on = 7; j) dire	tual parameter scores cted); c) soil moisture way, adjacent landuse forested wetland); g) al requirements = 7; i) ect observation of wat	:: a) = 7, es); e) er quality
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community .500(6)(c)Community structure Clearing of canopy will con compared to existing fores shrub, or ground stratum = 7, (few nuisance species distribution = 5; e) density			vert the system to a freshwate ed system. Individual param 5 (lacking shrubs and ground ; c) regeneration and recruitr and quality of coarse woody c s = 5, h) topographic features	eter scores: a) pla dcover); b) invasiv ment = 5, (consiste debris, snag, den,	ant communitive exotics or ent with expendent and cavity =	ty species in the cand other invasive plant ected); d) age & size 5; f) plant condition =	opy, species = 7, ; g)
Score = sum of above sco uplands, divide by		Preservation adjustme	ent factor =		FL = delta x	essment areas x acres =	
current pr w/o pres 0.63	with 0.5	Adjusted mitigation de			L. 0.27 T do.	x 0.13= 0.035	
current pr w/o pres		Adjusted mitigation de					
current pr w/o pres	0.5					x 0.13= 0.035 sessment areas	

Site/Project Name Application			mber Assessment Area Name or		or Number	
Gulf NFRC Pha	ise 3				W-GO	L-376A
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630				E	existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.O	FW, AP, other local/state/federa	I designation of importance)
Apalachicola River						
Geographic relationship to and hy	drologic connection with	h wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	y silviculture, and conne	ects to other wetla	ind systems.			
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.), water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cinn	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative rarity in	relation to the
Silvicultural o		Not rare in relation to regional landscape				
Functions		Mitigation for pre	vious p	permit/other historic us	е	
Wildlife habitat, wa	ter treatment and stora	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	rds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings:	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name		Application Number	Assessment	Assessment Area Name or Number		
Gul	f NFRC F	Phase 3			W-GOL-376A	
Impact or Mitigation				A		
	pact (Cle	aring)	Assessment conducted by: M. Harrington	Assessment	date: 4/16/2019	
		anny)	W. Harnington		4/10/2019	
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 on 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 waterfunctions	Minimal level of support wetland/surface wate functions		
.500(6)(a) Location Landscape Suppo w/o pres or current 7		landscape support variable herbaceous community. Ind (reduced by proximity of bu from outside = 6 (reduced t barriers = 6 (downstream fl outside land uses = 6 (adja	isy roads; b) Invasive exotic s to proximity of roads); d) functi ow somewhat limited by roads acent to highway); f) Hydrologid	ss of contiguous forested Support to wildlife listed i becies = 9 (negligible cov ons that benefit fish & wil and ditching; e) Impacts cally connected areas dow	parcels and conversion to n Part 1 by outside habitats = 7 erage); c) Wildlife access to and dlife downstream-distance or	
.500(6)(b)Water Enviro (n/a for uplands) w/o pres or current 7		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	(normal); f) vegetation commu ation = 7; h) use by animal spe of and associated with water	rary turbidity impacts. In ors = 8, (consistent with e 6, (existing erosion from r unity zonation = 7 (typical ecies with specific hydrolo quality degradation = 7; j)	dividual parameter scores: a) (xpected); c) soil moisture = 7, padway, adjacent landuses); e) for forested wetland); g)	
.500(6)(c)Community s 1. Vegetation and, 2. Benthic Commur w/o pres or current 5	/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density a	ted system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitm and quality of coarse woody do	eter scores: a) plant comr cover); b) invasive exotion ent = 5, (consistent with ebris, snag, den, and cav	s or other invasive plant species	
Score = sum of above score	es/30 (if	If preservation as mit	igation,	For impact a	ssessment areas	
uplands, divide by 2		Preservation adjustm			elta x acres =	
current pr w/o pres	with	Adjusted mitigation d	elta =	0.13x0	.141 = 0.018	
0.63	0.5					
		If mitigation		For mitigation	assessment areas	
Delta = [with-curre	nt]	Time lag (t-factor) =		Por miligation	assessment areas	
Delta = [with-current]Time lag (t-factor) Risk factor =						

Site/Project Name Application Nur			ber Assessment Area Name or Nur			or Number
Gulf NFRC Pha	se 3				W-GO	L-377A
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630				E	xisting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.Ol	FW, AP, other local/state/federa	I designation of importance)
Apalachicola River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, w veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cinn	^r plantee sweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative rarity in	relation to the
Interst	ate highway		Not rare in relation to regional landscape			
Functions			Mitigation for pre	evious p	ermit/other historic us	e
Wildlife habitat, wa	ter treatment and storag	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name				Application Number	Assessme	Assessment Area Name or Number		
	Gu	ulf NFRC F	Phase 3			W-GOL-377A		
Impact or Mitigation				Assessment conducted by:	Assessme	ent date:		
•	-	mpact (Cle	earing)	M. Harrington		4/16/2019		
Scorii	ng Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
indicate what wo for the ty	coring of each or is based on ould be suitable vpe of wetland water assesse	e or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of supp wetland/surface wa functions			
	0(6)(a) Locatior andscape Supp or		landscape support variable herbaceous community. Ind (reduced by proximity of bu from outside = 6 (reduced t barriers = 6 (downstream fl outside land uses = 6 (adja	dividual parameter scores: a) usy roads; b) Invasive exotic s to proximity of roads); d) funct ow somewhat limited by roads acent to highway); f) Hydrologi	oss of contiguous fores) Support to wildlife liste species = 9 (negligible of tions that benefit fish & s and ditching; e) Impa ically connected areas	uld reduce the location and ted parcels and conversion to ed in Part 1 by outside habitats = 7 coverage); c) Wildlife access to ar wildlife downstream-distance or cts to wildlife listed in Part 1 by downstream of assessment area a = 7 (downstream areas somewh		
)(b)Water Envii n/a for upland: pr		freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	(normal; b) water level indicat l) soil erosion or deposition = (normal); f) vegetation comm ation = 7; h) use by animal sp of and associated with water	orary turbidity impacts. ors = 8, (consistent with 6, (existing erosion from unity zonation = 7 (typi ecies with specific hydr quality degradation = 7	Individual parameter scores: a) h expected); c) soil moisture = 7, n roadway, adjacent landuses); e cal for forested wetland); g)		
1.	(c)Community Vegetation an Benthic Commo	d/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density a	ted system. Individual param 5 (lacking shrubs and ground); c) regeneration and recruitn and quality of coarse woody d	eter scores: a) plant co dcover); b) invasive ex nent = 5, (consistent wi lebris, snag, den, and c	th significant loss of functional va ommunity species in the canopy, otics or other invasive plant speci ith expected); d) age & size avity = 5; f) plant condition = 7, ; ; al growth in submerged aquatic pl		
	um of above sco lands, divide by		If preservation as mit Preservation adjustm			ct assessment areas = delta x acres =		
	es	with 0.5	Adjusted mitigation d	elta =	0.1;	3x4.033 = 0.524		
or w/o pres 0.63								
			If mitigation		For mitigat	tion assessment areas		
0.63	lta = [with-curr	ent]	If mitigation Time lag (t-factor) =		For mitigat	tion assessment areas		

Site/Project Name			Application Number	Asse	Assessment Area Name or Number		
	IFRC Pha	ase 3			N	N-GOL-377A	
_			Assessment conducted by	A			
Impact or Mitigation	npact (Fill	0	Assessment conducted by: M. Harrington	ASSE	essment date	4/16/2019	
		·)				1110/2010	
Scoring Guidance		Optimal (10)	Moderate(7)	Minima	l (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 waterfunctions	Minimal level of wetland/surfa functio	ice water	Condition is insuffic provide wetland/surfa functions	
	d la (r fru ba vith (r	ndscape support variable erbaceous community. Inc educed by proximity of bu om outside = 6 (reduced t arriers = 6 (downstream fl utside land uses = 6 (adja	sociated with clearing the tran for wetland forests through lo dividual parameter scores: a) sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi ependency of downstream are	ss of contiguous Support to wildlif pecies = 9 (neglig ions that benefit f and ditching; e) cally connected a	forested para e listed in Pa gible coverag rish & wildlife Impacts to w reas downstr	cels and conversion to rt 1 by outside habita e); c) Wildlife access downstream-distance fildlife listed in Part 1 ream of assessment a	ts = 7 to and e or by area = 7
	nent fr w cc ev hy ve =	eshwater marsh, although ater levels and flows = 8 (posistent with expected; d vidence of fire history = 7 ydrologic stress on vegeta egetative species tolerant	nporarily impact the water env silt fencing will reduce tempor normal; b) water level indicate) soil erosion or deposition = ((normal); f) vegetation comm ation = 7; h) use by animal spe of and associated with water () existing water quality data =	prary turbidity imp prs = 8, (consiste 6, (existing erosic unity zonation = 7 ecies with specific quality degradatio	acts. Individ nt with expect on from roadw (typical for f hydrological on = 7; j) dire	ual parameter scores ted); c) soil moisture vay, adjacent landuse orested wetland); g) I requirements = 7; i) ct observation of wate	= 7, s); e) er quality
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community .500(6)(c)Community structure Clearing of canopy will co compared to existing fore shrub, or ground stratum = 7, (few nuisance specie distribution = 5; e) density			vert the system to a freshwate red system. Individual param 5 (lacking shrubs and ground); c) regeneration and recruitn and quality of coarse woody d s = 5, h) topographic features	eter scores: a) pla lcover); b) invasi nent = 5, (consiste ebris, snag, den,	ant communit ve exotics or ent with expe and cavity =	ty species in the cano other invasive plant s cted); d) age & size 5; f) plant condition =	py, species 7, ; g)
Score = sum of above scores/3 uplands, divide by 20) current pr w/o pres w 0.63	30 (if with	If preservation as mit Preservation adjustm Adjusted mitigation d	ent factor =		impact asses FL = delta x .: 0.02 ac. x (
		If mitigation					
			= For mitigation assessment a		essment areas		
Delta = [with-current]		Time lag (t-factor) =		For n	nitigation ass	essment areas	

Site/Project Name	Application Number	ber Assessment Area Name or Numl			or Number	
Gulf NFRC Pha	se 3				W-GO	L-380A
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630				E	xisting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.O	FW, AP, other local/state/federa	I designation of importance)
Apalachicola River						
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	lands		
Assessment area is surrounded by	/ forested uplands, and	connects to othe	r wetland systems	i.		
Assessment area description The canopy stratum in the outer ec sweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fe (<i>Thelvpteris</i> sp.), among others.	, water oak, and swamp maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cin	plante sweetgr etto. Th namon	d loblolly pine along th um. The shrub stratum ae groundcover compri fern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			Uniqueness (co regional landsca		ng the relative rarity in	relation to the
Intertate highway	and Apalachicola Rive	r	Not rare in relation to regional landscape			
Functions			Mitigation for pre	evious p	permit/other historic us	e
Wildlife habitat, wa	ter treatment and storag	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)			
Wading bir	ds, herpetofauna		Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).			
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project Name Gulf NFRC Phase 3			Application Number	A	Assessment Area Name or Number			
						W-GOL-380A		
Impact or Mitigation			Assessment conducted by:	A	ssessment date	9:		
	-	mpact (Cle	earing)	M. Harrington			4/16/2019	
Scorin	ig Guidance		Optimal (10)	Moderate(7)	Minir	mal (4)	Not Present (0)
indicato what wou for the typ	oring of each or is based on uld be suitable be of wetland vater assesse	e or	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	han ent to Minimal level of supp wetland/surface wa functions		Condition is insuffic provide wetland/surfa functions	
· · ·	6)(a) Location ndscape Supp		landscape support variable herbaceous community. In (reduced by proximity of bu from outside = 6 (reduced t barriers = 6 (downstream fl outside land uses = 6 (adja	sociated with clearing the tran for wetland forests through lo dividual parameter scores: a) isy roads; b) Invasive exotics to proximity of roads); d) funct ow somewhat limited by roads icent to highway); f) Hydrologi ependency of downstream are	oss of contiguo) Support to wil- species = 9 (ne- tions that bene- s and ditching; ically connected	us forested par dlife listed in Pa gligible coverag fit fish & wildlife e) Impacts to v d areas downst	rcels and conversion to art 1 by outside habital ge); c) Wildlife access e downstream-distance wildlife listed in Part 1 b tream of assessment a	ts = 7 to and e or by area = 7
	b)Water Envi ı/a for upland		freshwater marsh, although water levels and flows = 8 consistent with expected; c evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	nporarily impact the water en a silt fencing will reduce tempor (normal; b) water level indicat l) soil erosion or deposition = (normal); f) vegetation commation = 7; h) use by animal sp of and associated with water () existing water quality data =	orary turbidity in ors = 8, (consis 6, (existing ero nunity zonation ecies with spec quality degrad	mpacts. Individ stent with exper- sion from road = 7 (typical for cific hydrologica ation = 7; j) dire	dual parameter scores: cted); c) soil moisture = way, adjacent landuse forested wetland); g) al requirements = 7; i) ect observation of wate	= 7, s); e) er quality
1. V	c)Community Vegetation an enthic Comm	d/or	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density	vert the system to a freshwate ted system. Individual param 5 (lacking shrubs and ground); c) regeneration and recruitn and quality of coarse woody d s = 5, h) topographic features	eter scores: a) dcover); b) inva nent = 5, (cons lebris, snag, de	plant communi asive exotics or sistent with expe en, and cavity =	ity species in the cano r other invasive plant s ected); d) age & size : 5; f) plant condition =	py, pecies 7, ; g)
Ũ				igation		or impact asse	esment areas	
Score = su	im of above sco ands, divide by		If preservation as mit Preservation adjustm Adjusted mitigation d	ent factor =		FL = delta	x acres =	
Score = su upla current pr w/o pres	ands, divide by	20) with	Preservation adjustm Adjusted mitigation d	ent factor =		FL = delta 0.13x4.404	x acres = 4 = 0.573	
Score = sui upla current pr w/o pres 0.63	ands, divide by	20) ` with 0.5	Preservation adjustm	ent factor =		FL = delta 0.13x4.404	x acres =	

Site/Project Name			Application Number	Assessment	Assessment Area Name or Number		
	NFRC F	Phase 3			W-GOL-380A		
			Assessment conducted by:	Accomment			
Impact or Mitigation	Impact (Fill)	M. Harrington	Assessment	4/16/2019		
	impuot (,			1110/2010		
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 waterfunctions	Minimal level of suppor wetland/surface wate functions			
.500(6)(a) Location a Landscape Suppor w/o pres or current 7	rt	landscape support variable herbaceous community. In (reduced by proximity of bu from outside = 6 (reduced barriers = 6 (downstream fl outside land uses = 6 (adja	usy roads; b) Invasive exotic s to proximity of roads); d) funct low somewhat limited by roads acent to highway); f) Hydrologi	oss of contiguous forested Support to wildlife listed pecies = 9 (negligible cov ions that benefit fish & wi s and ditching; e) Impacts cally connected areas do	d parcels and conversion to in Part 1 by outside habitats = 7 verage); c) Wildlife access to and Idlife downstream-distance or		
.500(6)(b)Water Enviror (n/a for uplands) w/o pres or current 7		freshwater marsh, although water levels and flows = 8 consistent with expected; c evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	(normal; b) water level indicate d) soil erosion or deposition = ((normal); f) vegetation comm ation = 7; h) use by animal spe t of and associated with water	orary turbidity impacts. In ors = 8, (consistent with e 6, (existing erosion from r unity zonation = 7 (typica ecies with specific hydrolo quality degradation = 7; j	dividual parameter scores: a) expected); c) soil moisture = 7, roadway, adjacent landuses); e) I for forested wetland); g)		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community .500(6)(c)Community structure Clearing of canopy will con compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density			ted system. Individual parame 5 (lacking shrubs and ground); c) regeneration and recruitn and quality of coarse woody d	eter scores: a) plant com cover); b) invasive exoti- nent = 5, (consistent with ebris, snag, den, and cav	cs or other invasive plant species		
Score = sum of above score uplands, divide by 20 current pr w/o pres 0.63		If preservation as mit Preservation adjustm Adjusted mitigation d	nent factor =	FL = d	assessment areas elta x acres = ac. x 0.63 = 0.035		
		If mitigation					
		ii magaaon	= For mitigation assessment a		h assessment areas		
Delta = [with-curren	nt]	Time lag (t-factor) =		For mitigation	n assessment areas		