ATTACHMENT A

UMAM Worksheets - Jackson County

Site/Project Name Application Num			Assessment Area Name or Number				
Gulf NFRC Pha	ise 3		W-GOL-380B				
FLUCCs code	Further classific	ation (optional)		Impact 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/fed	eral designation of importance)		
Apalachicola River							
Geographic relationship to and hyd	drologic connection wi	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 ecsweetgum, loblolly pine (recruited) subcanopy stratum comprises red blueberry, wax myrtle, giant cane, species including Virginia chain fer (Thelypteris sp.), among others.), water oak, and swam maple, loblolly pine, st fetterbush, needlepaln	np chestnut oak, w weetbay, Americar n, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palmo oweyed grass, cini	planted loblolly pine along sweetgum. The shrub stratu etto. The groundcover com namon fern, blackberry, gra	the edges. The im comprises highbush orises of a variety of pe vine, and shield ferns		
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Intertate highway and Apalachicola River			Not rare in relation to regional landscape				
Functions			Mitigation for pre	vious permit/other historic	use		
Wildlife habitat, wat	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	ization (List species di	rectly observed, or	other signs such	as tracks, droppings, casin	gs, nests, etc.):		
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff		4/16/2019					

Site/Project Name		Application Number	ea Name or Number			
Gulf NFRC F	Phase 3			W-GOL-380B		
Impact or Mitigation		Assessment conducted by:	Assessment da	te:		
Impact (Cle	earing)	M. Harrington		4/16/2019		
Spering Cuidance	Ontimal (40)	Moderate/7\	Minimal (4)	Not Droppet (0)		
Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient provide wetland/surface of functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 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	ociated with clearing the tran- for wetland forests through lo ividual parameter scores: a) sy roads; b) Invasive exotic so o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologic pendency of downstream are	ss of contiguous forested pa Support to wildlife listed in F pecies = 9 (negligible covera- ions that benefit fish & wildlift and ditching; e) Impacts to cally connected areas downs	arcels and conversion to Part 1 by outside habitats = age); c) Wildlife access to a de downstream-distance or wildlife listed in Part 1 by stream of assessment area	and a = 7	
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 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	rill temporarily impact the water environment variable, converting forested system to a bough silt fencing will reduce temporary turbidity impacts. Individual parameter scores: = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = (ed; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses) or = 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 off. K) existing water quality data = N/A; I) water depth wave, wave energy, currents and				
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5	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 i = 5, h) topographic features	eter scores: a) plant commun cover); b) invasive exotics of thent = 5, (consistent with expebris, snag, den, and cavity	nity species in the canopy, or other invasive plant spec pected); d) age & size = 5; f) plant condition = 7, ;	cies	
Score = sum of above scores/30 (if uplands, divide by 20) current br w/o pres with 0.63 0.5	If preservation as miti- Preservation adjustme Adjusted mitigation de	ent factor =	FL = delta	essment areas x acres =		
	I					
Dalta - fuith	If mitigation		For mitigation as	sessment areas		
Delta = [with-current]	Time lag (t-factor) =		PEG = dolto//t factor	v rick) –		
-0.13	Risk factor =		RFG = delta/(t-factor x risk) =			

Site/Project Name		Application Number Assessment Area Name or Num					
Gulf NFRC F	Phase 3			W-GOL-380B			
Impact or Mitigation		Assessment conducted by:	Assessment da	te:			
Impact (Fill)	M. Harrington		4/16/2019			
Spering Cuidance	Ontimal (40)	Moderate/7\	Minimal (4)	Not Present (0)			
Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions			
.500(6)(a) Location and Landscape Support w/o pres or current with 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	o proximity of roads); d) functi ow somewhat limited by roads cent to highway); f) Hydrologic	ess of contiguous forested pa Support to wildlife listed in F pecies = 9 (negligible covera- ions that benefit fish & wildlife 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 be downstream-distance or			
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 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	will temporarily impact the water environment variable, converting forested system to a mough silt fencing will reduce temporary turbidity impacts. Individual parameter scores: s = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = ted; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses; y = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) regetation = 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 toff. K) existing water quality data = N/A; l) water depth wave, wave energy, currents and					
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5	compared to existing foreste shrub, or ground stratum = = = 7, (few nuisance species) distribution = 5; e) density a	will convert the system to a freshwater marsh community with significant loss of function g forested system. Individual parameter scores: a) plant community species in the can atum = 5 (lacking shrubs and groundcover); b) invasive exotics or other invasive plant species); c) regeneration and recruitment = 5, (consistent with expected); d) age & size lensity and quality of coarse woody debris, snag, den, and cavity = 5; f) plant condition stractices = 5, h) topographic features = 7, ; i) siltation or algal growth in submerged aquadramal).					
Score = sum of above scores/30 (if uplands, divide by 20) current br w/o pres with 0.63 0	If preservation as mitigation and preservation adjustments adjusted mitigation de	ent factor =	FL = delta	essment areas x acres = x 0.63 = 0.035			
	If mitigation						
Delta = [with-current]	Time lag (t-factor) =		For mitigation as	sessment areas			
-0.63	Risk factor =		RFG = delta/(t-factor x risk) =				

Site/Project Name		Application Number	ber Assessment Area Name or Number				
Gulf NFRC Pha	se 3		W-GOL-382				
FLUCCs code	Further classification	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
630			Existing Condition				
Basin/Watershed Name/Number	Affected Waterbody (Cla	ed Waterbody (Class) Special Classification (i.e.OFW, AP, other local/state/federal des			al designation of importance)		
Apalachicola River							
Geographic relationship to and hyd		h wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	y silviculture, and conn	ects to other wetla	and 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 fel (Thelvoteris sp.), among others.), water oak, and swam maple, loblolly pine, sv fetterbush, needlepalm	p chestnut oak, w weetbay, Americar n, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cini	plante weetg etto. Ti namon	ed loblolly pine along th jum. The shrub stratum ne groundcover compri i fern, blackberry, grap	ne edges. The a comprises highbush ises 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 pre	vious	permit/other historic us	е	
Wildlife habitat, wai	ter treatment and stora	ige	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	ization (List species di	rectly 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	ea Name or Number			
Gulf NFRC I	Phase 3			W-GOL-382		
Impact or Mitigation		Assessment conducted by:	Assessment da	'e'		
Impact (Cle	earing)	M. Harrington	7.000007710771	4/16/2019		
Cassing Cuidense	0	M - J 4 - (7)	M:-:1/4	Net Breeze (0)		
Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient provide wetland/surface vertices functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 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	ociated with clearing the transfor wetland forests through lo lividual parameter scores: a) sy roads; b) Invasive exotic sto proximity of roads); d) function somewhat limited by roads cent to highway); f) Hydrologic pendency of downstream are	ss of contiguous forested pa Support to wildlife listed in F pecies = 9 (negligible covera- ions that benefit fish & wildlift and ditching; e) Impacts to cally connected areas downs	rcels and conversion to Part 1 by outside habitats = ge); c) Wildlife access to a e downstream-distance or wildlife listed in Part 1 by stream of assessment area	and 1 = 7	
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 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	will temporarily impact the water environment variable, converting forested system to a hough silt fencing will reduce temporary turbidity impacts. Individual parameter scores: s = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = ted; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses; y = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) lerant of and associated with water quality degradation = 7; j) direct observation of water noff. K) existing water quality data = N/A; l) water depth wave, wave energy, currents and				
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5	compared to existing foreste shrub, or ground stratum = = = 7, (few nuisance species) distribution = 5; e) density a	rert the system to a freshwate ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm ind quality of coarse woody de = 5, h) topographic features	eter scores: a) plant commun cover); b) invasive exotics of nent = 5, (consistent with exp ebris, snag, den, and cavity	nity species in the canopy, or other invasive plant spec ected); d) age & size = 5; f) plant condition = 7, ;	eies	
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.63 0.5	If preservation as mitigarion adjustments Adjusted mitigation de	ent factor =	FL = delta	essment areas x acres = x 0.133 = 0.312		
	If mailting the re					
Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigation as	sessment areas		
-0.13	Risk factor =		RFG = delta/(t-factor	x risk) =		

Site/Project Name		Application Number	ea Name or Number			
Gulf NFRC I	Phase 3			W-GOL-382		
Impact or Mitigation		Assessment conducted by:	Assessment dat	'e'		
Impact ((Fill)	M. Harrington	7.0000011101111 001	4/16/2019		
Scoring Guidance	Ontimal (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	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficier provide wetland/surface functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 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	ociated with clearing the tran- for wetland forests through lo lividual parameter scores: a) sy roads; b) Invasive exotic so o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologic pendency of downstream are	ss of contiguous forested pa Support to wildlife listed in F pecies = 9 (negligible covera- ions that benefit fish & wildlife and ditching; e) Impacts to cally connected areas downs	rcels and conversion to Part 1 by outside habitats age); c) Wildlife access to e downstream-distance of wildlife listed in Part 1 by stream of assessment are.	and or ea = 7	
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 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	will temporarily impact the water environment variable, converting forested system to a although silt fencing will reduce temporary turbidity impacts. Individual parameter scores: ws = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture = ected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landuses) cory = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) in vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) tolerant of and associated with water quality degradation = 7; j) direct observation of water unoff. K) existing water quality data = N/A; l) water depth wave, wave energy, currents and go forested system. Individual parameter scores: a) plant community species in the canopy ratum = 5 (lacking shrubs and groundcover); b) invasive exotics or other invasive plant species); c) regeneration and recruitment = 5, (consistent with expected); d) age & size density and quality of coarse woody debris, snag, den, and cavity = 5; f) plant condition = 7 (practices = 5, h) topographic features = 7, ; i) siltation or algal growth in submerged aquatic formal).				
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5	compared to existing foreste shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a					
Score = sum of above scores/30 (if uplands, divide by 20) current br w/o pres with 0.63	If preservation as mitigary Preservation adjustments Adjusted mitigation de	ent factor =	For impact ass FL = delta FL: 0.015 ac.	x acres =		
	If mitigation					
Delta = [with-current]	Time lag (t-factor) =		For mitigation as	sessment areas		
-0.63	Risk factor =		RFG = delta/(t-factor x risk) =			

au 1 11							
Site/Project Name Application Numb			Assessment Area Name or Number				
Gulf NFRC Pha	se 3			W-G0	DL-383		
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 Classificati	on (i.e.OFW, AP, other local/state/feder	al designation of importance)		
Apalachicola River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
May connect to an adjecent wetlar	nd during heavy rains, c	otherwise is surrou	unded by uplands.				
Assessment area description							
This is a beaver pond, consisting r pond. There is no groundcover or		th a few scattered	-				
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Silvicultural operations			Not rare in relation to regional landscape				
Functions			Mitigation for pre	vious permit/other historic us	se		
Wildlife habitat, wa	ter treatment and storaç	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 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	Δςςρς	ment Area Name or Number			
		Application Number	ASSESS				
Gulf NFRC I	Phase 3			W-GOL-383			
Impact or Mitigation		Assessment conducted by:	Assess	ment date:			
Impact (Cle	earing)	M. Harrington		4/16/2019			
Sporing Cuidanas	Ontine -1 (40)	Mada::-4-/7\	B411	A) N-4 B ((0)		
Scoring Guidance The scoring of each	Optimal (10)	Moderate(7) Condition is less than	Minimal (4	1) Not Present	(U)		
indicator is based on	Condition is optimal and fully supports	optimal, but sufficient to	Minimal level of s	• •			
what would be suitable for the type of wetland or	wetland/surface water	maintain most wetland/surface	wetland/surface functions	l.	ace water		
surface water assessed	functions	waterfunctions					
.500(6)(a) Location and Landscape Support w/o pres or current with 7	landscape support variable herbaceous community. Ind (reduced by surrounding silv from outside = 7 (reduced d distance or barriers = 7 (red (adjacent to silviculture); f) I	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 = 3 g silviculture; b) Invasive exotic species = 9 (negligible coverage); c) Wildlife access to are due to surrounding silviculture); d) functions that benefit fish & wildlife downstream-(reduced due to silviculture); e) Impacts to wildlife listed in Part 1 by outside land uses = 0; f) Hydrologically connected areas downstream of assessment area = 7 (normal dency of downstream areas on assessment area = 5 (downstream areas marginally					
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with	temporary turbidity impacts. indicators = 8, (consistent w = 6, (existing erosion from a zonation = 7 (typical for fore specific hydrological require degradation = 7; j) direct ob	trees will temporarily impact the water environment variable, although silt fencing will reduce ty impacts. Individual parameter scores: a) water levels and flows = 8 (normal; b) water level onsistent with expected); c) soil moisture = 7, consistent with expected; d) soil erosion or deposition sion from adjacent landuses); e) evidence of fire history = 7 (normal); f) vegetation community ical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with ical requirements = 7; i) vegetative species tolerant of and associated with water quality j) direct observation of water quality = 7 (consistent with expected. K) existing water quality data = wave, wave energy, currents and light penetration = N/A.					
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5 3	Clearing of canopy trees will convert the system to a freshwater marsh community with loss of functional value compared to existing forested system. Individual parameter scores: a) plant community species in the canopy, shrub, or ground stratum = 5 (lacking shrubs and groundcover); b) invasive exotics or other invasive plant species = 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 = 7, ; g land management practices = 5, h) topographic features = 7, ; i) siltation or algal growth in submerged aquatic placement processes and the communities = 7 (normal).						
Score = sum of above scores/30 (if	If preservation as miti	gation,	For im	pact assessment areas	1		
uplands, divide by 20)	Preservation adjustme	ent factor =	F	L = delta x acres =			
current or w/o pres with	Adjusted mitigation de	FI · 0.088 20 × 0.133 = 0.012					
0.63 0.5	J				ı		
	If mitigation				1		
Delta = [with-current]	Time lag (t-factor) =		For miti	gation assessment areas			
-0.13	Risk factor =		RFG = delta/(t-factor x risk) =				

Site/Project Name		Application Numbe	er Assessment Area Name or Number				
Gulf NFRC Phas	ise 3					L-384A	
FLUCCs code	Further classific	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Cla	ass)	Special Classification	on (i.e.O	PFW, AP, other local/state/federa	al designation of importance)	
Apalachicola River							
Geographic relationship to and hyd	drologic connection wif	th wetlands, other	surface water, upl	ands			
May connect to an adjecent wetlan	nd during heavy rains,	otherwise is surrou	unded by uplands.				
Assessment area description							
Forested wetland with a sparse car pine along the edges.	nopy stratum comprise	∍d of red maple an			·		
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Silvicultural operations			Not rare in relation to regional landscape				
Functions			Mitigation for pre	vious p	permit/other historic use	е	
Wildlife habitat, wat	iter treatment and stora	age		N/A			
Anticipated Wildlife Utilization Base that are representative of the asset 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	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 Utili	ization (List species di	rectly 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 Area Name or Nu				
Gulf NFRC	Phase 3		W-GOL-384A			
Impact or Mitigation		Assessment conducted by:	Assessment dat	te:		
Impact (Cl	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			
.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 silv from outside = 7 (reduced d = 6 (reduced due to silvicult plantation); f) Hydrologically	ue to silviculture); d) function	ss of contiguous forested pa Support to wildlife listed in F pecies = 9 (negligible covera s that benefit fish & wildlife of ted in Part 1 by outside land m of assessment area = 7 (n	arcels and conversion to Part 1 by outside habitats = 7 ge); c) Wildlife access to and lownstream-distance or barrie uses = 7 (surrounded by pine ormal connectivity); g)		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7	freshwater marsh, although water levels and flows = 8 (i consistent with expected; d) fire history = 7 (normal); f) v vegetation = 7; h) use by ar and associated with water q	regetation community zonation nimal species with specific hydrony	prary turbidity impacts. Indivious = 8, (consistent with expect, (existing erosion from adjain = 7 (typical for forested wedrological requirements = 7; ct observation of water quality	dual parameter scores: a) ected); c) soil moisture = 7, acent landuses); e) evidence of tland); g) hydrologic stress or i) vegetative species tolerant by = 6, receives road runoff. K		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 5	compared to existing foreste 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 commun cover); b) invasive exotics of nent = 5, (consistent with exp ebris, snag, den, and cavity:	or other invasive plant species		
Score = sum of above scores/30 (if uplands, divide by 20) current br w/o pres with	If preservation as miti- Preservation adjustme Adjusted mitigation de	ent factor =	FL = delta	essment areas x acres = < 0.133 = 0.032		
0.63 0.5	If mitigation		For mitigation as	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =					
-0.13	Risk factor =		RFG = delta/(t-factor x risk) =			

Site/Project Name		Application Number	ea Name or Number			
Gulf NFRC	Phase 3			W-GOL-384A		
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 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			
.500(6)(a) Location and Landscape Support w/o pres or current with 7	landscape support variable herbaceous community. Ind (reduced by proximity of silv from outside = 7 (reduced of = 6 (reduced due to silvicult plantation); f) Hydrologically		ess of contiguous forested pa Support to wildlife listed in Forecies = 9 (negligible covera is that benefit fish & wildlife of ted in Part 1 by outside land m of assessment area = 7 (n	arcels and conversion to Part 1 by outside habitats = 7 ge); c) Wildlife access to and lownstream-distance or barrier uses = 7 (surrounded by pine ormal connectivity); g)		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7	freshwater marsh, although water levels and flows = 8 (consistent with expected; difire history = 7 (normal); f) vegetation = 7; h) use by an and associated with water of	temporarily impact the water environment variable, converting forested system to a uph silt fencing will reduce temporary turbidity impacts. Individual parameter scores 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture (; d) soil erosion or deposition = 6, (existing erosion from adjacent landuses); e) evice (f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stownimal species with specific hydrological requirements = 7; i) vegetative species to be requality degradation = 7; j) direct observation of water quality = 6, receives road ruta = N/A; l) water depth wave, wave energy, currents and light penetration = N/A.				
1. Vegetation and/or 2. Benthic Community w/o pres or current with	compared to existing forestshrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual parame 5 (lacking shrubs and ground g; c) regeneration and recruitm and quality of coarse woody de	eter scores: a) plant commun cover); b) invasive exotics of nent = 5, (consistent with expebris, snag, den, and cavity	or other invasive plant species		
Score = sum of above scores/30 (if uplands, divide by 20) current br w/o pres with	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =	FL = delta	essment areas x acres = x 0.63= 0.003		
0.63 0	If mitigation		For mitigation as	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =		- I of fillingation as			
-0.63	Risk factor =		RFG = delta/(t-factor x risk) =			

Site/Project Name			Application Numbe	Assessment Area Name or Number				
Gulf NFRC Pha	se 3					W-GO	L-384B	
FLUCCs code	F	urther classificat	tion (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
641				Existing Condition				
Basin/Watershed Name/Number	Affected	d Waterbody (Clas	y (Class) Special Classification (i.e.OFW, AP, other local/state/federal designation of					
Apalachicola River								
Geographic relationship to and hyd	drologic	connection with	wetlands, other	surface water, upl	ands			
Smaller isloated and outer edges o	of mixed	d forested wetlan	nds that are isolat	ed and receive su	ırface	water runoff from adjac	cent silviculture lands.	
Assessment area description The canopy stratum in the outer ecsweetgum, slash pine (recruited), athe edges. The subcanopy stratum fetterbush, highbush blueberry, wachain fern, flatsedge, greenbrier, d(Eleocharis sp.), among others.	and dah n compri ax myrtle	noon (llex cassing ises red maple, s e, and saw palme	e), with occurrend slash pine, lobloll etto. The groundd	ces of loblolly bay y bay, and wax m cover comprises o ern, blackberry, ma	(Gord yrtle. ⁻ of a va aidend	lonia lasianthus) and pl The shrub stratum compriety of species includin cane, fetterbush, grape	anted slash pine along prises slash pine, g wax myrtle, Virginia vine, and spikerush	
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, wat	ter treati	ment and storag	je	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, herp	petofauna		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 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 Are	Assessment Area Name or Number		
Gulf NFRC I	Phase 3		W-GOL-384B			
Impact or Mitigation		Assessment conducted by:	Assessment dat	re:		
Impact (Cle	earing)	M. Harrington		4/16/2019		
Sparing Cuidance	Ontimal (40)	Moderate (7)	Minimal (4)	Not Droppet (0)		
Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 6 5	landscape support variable herbaceous community. Ind b) Invasive exotic species = downstream-distance or bar	e 8; c) Wildlife access to and rriers = 7; e) Impacts to wildlifm of assessment area = 8; g	oss of contiguous forested pa Support to wildlife listed in P from outside = 7; d) functions fe listed in Part 1 by outside I	rcels and conversion to Part 1 by outside habitats = 6;		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7	freshwater marsh, although water levels and flows = 7; t moisture = 7, consistent witl existing erosion from roadw 5, removal of canopy, convemaintenance; h) use by anir and associated with water q clearing coupled with existir	n expected; d) soil erosion or ay, adjacent landuses; e) evi ersion to herbaceous; g) hydr mal species with specific hyd uality degradation = 7; j) dire	prary turbidity impacts. Indivi- altered hydroperiod due to to deposition = 5, erosion durin- dence of fire history = 6; f) ver- cologic stress on vegetation = rological requirements = 8; i) ct observation of water quality o recreational activities. K) ex	dual parameter scores: a) silvicultural practices; c) soil g clearing, coupled with egetation community zonation		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7	compared to existing foreste shrub, or ground stratum = 4 c) regeneration and recruitn distribution = 4, atypical of f 4; f) plant condition = 4, ; g)	ed system. Individual parameta,; b) invasive exotics or othent = 3, removal of canopy, orested wetland; e) density a	eter scores: a) plant communer invasive plant species = 7 recruitment affected by main nd quality of coarse woody d = 6, silvicultural practices an	7, very little nuisance species; tenance; d) age & size ebris, snag, den, and cavity = d access roads, h) topograph		
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.67 0.63333	If preservation as mitigarion adjustments Adjusted mitigation de	ent factor =	For impact ass FL = delta			
D. 1	If mitigation		For mitigation as	sessment areas		
Delta = [with-current]	Time lag (t-factor) =		DEO 1 " " 1" 1			
-0.03	Risk factor =		RFG = delta/(t-tactor)	RFG = delta/(t-factor x risk) =		

Site/Project Name		Application Number	Assessment Are	Assessment Area Name or Number		
Gulf NFRC	Phase 3		W-GOL-384B			
Impact or Mitigation		Assessment conducted by:	e:			
Impact	(Fill)	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			
.500(6)(a) Location and Landscape Support w/o pres or current with 6 0	landscape support variable herbaceous community. Ind b) Invasive exotic species = downstream-distance or bar	e 8; c) Wildlife access to and it rriers = 7; e) Impacts to wildlif m of assessment area = 8; g	ess of contiguous forested pa Support to wildlife listed in F from outside = 7; d) functions fe listed in Part 1 by outside l	rcels and conversion to Part 1 by outside habitats = 6;		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7	freshwater marsh, although water levels and flows = 7; I moisture = 7, consistent wit existing erosion from roadw 5, removal of canopy, convemaintenance; h) use by animand associated with water quelaring coupled with existir	n expected; d) soil erosion or ay, adjacent landuses; e) evicersion to herbaceous; g) hydr mal species with specific hydr uality degradation = 7; j) direction	prary turbidity impacts. Indivi- altered hydroperiod due to to deposition = 5, erosion during dence of fire history = 6; f) vo- cologic stress on vegetation = rological requirements = 8; i) ct observation of water quality or recreational activities. K) ex	dual parameter scores: a) silvicultural practices; c) soil ng clearing, coupled with egetation community zonation =		
1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 0	compared to existing foreste shrub, or ground stratum = c) regeneration and recruitn distribution = 4, atypical of f 4; f) plant condition = 4, ; g)	ed system. Individual parame 4,; b) invasive exotics or oth nent = 3, removal of canopy, orested wetland; e) density a	eter scores: a) plant commun ner invasive plant species = 7 recruitment affected by main nd quality of coarse woody d = 6, silvicultural practices an	7, very little nuisance species; tenance; d) age & size ebris, snag, den, and cavity = d access roads, h) topographic		
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with	If preservation as miti-	ent factor =	For impact ass FL = delta FL: 0.005 ac.	x acres =		
0.67 0	If mitigation					
Delta = [with-current]	Time lag (t-factor) =		For mitigation as	sessment areas		
-0.67 Risk factor = RFG = delta/(t-factor x risk) =						

0:1/10 : 1.11		TA . P . C . N I			A	. NI I	
Site/Project Name		Application Number	Per Assessment Area Name or Number			or Number	
Gulf NFRC Pha	se 3				W-GC	DL-385	
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
641				E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Cla	ss)	Special Classificati	ation (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			
Smaller isloated and outer edges o	of mixed forested wetla	nds that are isolat	ted and receive su	ırface	water runoff from adjac	ent silviculture lands.	
Assessment area description The canopy stratum in the outer ed sweetgum, slash pine (recruited), at the edges. The subcanopy stratum fetterbush, highbush blueberry, wachain fern, flatsedge, greenbrier, d(Eleocharis sp.), among others.	and dahoon (llex cassir n comprises red maple, ax myrtle, and saw palm	ne), with occurrent slash pine, lobloll netto. The ground	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 The shrub stratum com riety of species includin ane, fetterbush, grape	anted slash pine along prises slash pine, g wax myrtle, Virginia vine, and spikerush	
Significant nearby features			regional landsca		ing 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 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 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 Are	Assessment Area Name or Number		
Gulf NFRC	Phase 3		W-GOL-385			
Impact or Mitigation		Assessment conducted by:	Assessment dat	te:		
Impact (C	learing)	M. Harrington		4/16/2019		
Coordinate Outlidean ex-	0 (1 1/40)			N (D ((0)		
Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 6 5	landscape support variable herbaceous community. Inc b) Invasive exotic species = downstream-distance or bar	= 8; c) Wildlife access to and rriers = 7; e) Impacts to wildliium of assessment area = 8; g	oss of contiguous forested pa Support to wildlife listed in P from outside = 7; d) functions fe listed in Part 1 by outside I	rcels and conversion to Part 1 by outside habitats = 6;		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7 7	freshwater marsh, although water levels and flows = 7; moisture = 7, consistent wit existing erosion from roadw 5, removal of canopy, convemaintenance; h) use by animand associated with water clearing coupled with existing	h expected; d) soil erosion or ray, adjacent landuses; e) evi ersion to herbaceous; g) hydr mal species with specific hyd quality degradation = 7; j) dire	prary turbidity impacts. Indivi- altered hydroperiod due to to deposition = 5, erosion durin- dence of fire history = 6; f) ver- cologic stress on vegetation = rological requirements = 8; i) ct observation of water quality o recreational activities. K) ex	dual parameter scores: a) silvicultural practices; c) soil g clearing, coupled with egetation community zonation		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7	Clearing of canopy will conv compared to existing forest shrub, or ground stratum = c) regeneration and recruitn distribution = 4, atypical of f 4; f) plant condition = 4, ; g)	ed system. Individual parameta,; b) invasive exotics or othernent = 3, removal of canopy, forested wetland; e) density a	eter scores: a) plant communer invasive plant species = 7 recruitment affected by main nd quality of coarse woody d = 6, silvicultural practices an	7, very little nuisance species; tenance; d) age & size ebris, snag, den, and cavity = id access roads, h) topographi		
Score = sum of above scores/30 (i uplands, divide by 20) current or w/o pres with 0.67 0.63333	Preservation adjustme	ent factor =	For impact ass FL = delta			
Dolta - Swith current	If mitigation		For mitigation as	sessment areas		
Delta = [with-current]	Time lag (t-factor) =		RFG = delta/(t-factor)	x risk) =		
-0.03	Risk factor =		,			

Site/Project Name Application Numb		Application Number	Per Assessment Area Name or Number			or Number	
Gulf NFRC Pha	se 3		W-GOL-386				
FLUCCs code	Further classifica	ation (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
641				E	Existing Condition		
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	tion (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			
Smaller isloated and outer edges o	of mixed forested wetla	nds that are isolat	ed and receive su	ırface	water runoff from adjac	ent silviculture lands.	
Assessment area description The canopy stratum in the outer ed sweetgum, slash pine (recruited), at the edges. The subcanopy stratum fetterbush, highbush blueberry, wachain fern, flatsedge, greenbrier, d(Eleocharis sp.), among others.	and dahoon (llex cassir n comprises red maple, ax myrtle, and saw palm	ne), with occurrent slash pine, lobloll netto. The groundd	ces of loblolly bay ly bay, and wax m cover comprises o ern, blackberry, m	(Gord yrtle. T of a var aidenc	onia lasianthus) and pl The shrub stratum com riety of species includin ane, fetterbush, grape	anted slash pine along prises slash pine, g wax myrtle, Virginia vine, and spikerush	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Silvicultural o	perations, 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 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 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 Are	Assessment Area Name or Number		
Gulf NFRC I	Phase 3		W-GOL-386			
Impact or Mitigation		Assessment conducted by:	Assessment dat	te.		
Impact (Cle	earing)	M. Harrington	, 10000011101111 0001	4/16/2019		
Occario a Occidente	0 (1 1/40)			N (D ((0)		
Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 6 5	landscape support variable herbaceous community. Ind b) Invasive exotic species = downstream-distance or bar	e 8; c) Wildlife access to and rriers = 7; e) Impacts to wildlifm of assessment area = 8; g	oss of contiguous forested pa Support to wildlife listed in P from outside = 7; d) functions fe listed in Part 1 by outside I	rcels and conversion to Part 1 by outside habitats = 6;		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7	freshwater marsh, although water levels and flows = 7; I moisture = 7, consistent wit existing erosion from roadw 5, removal of canopy, convemaintenance; h) use by animand associated with water quearing coupled with existing	n expected; d) soil erosion or ay, adjacent landuses; e) evi ersion to herbaceous; g) hydr mal species with specific hyd uality degradation = 7; j) dire	orary turbidity impacts. Indivi- altered hydroperiod due to to deposition = 5, erosion durin- dence of fire history = 6; f) ver- cologic stress on vegetation = rological requirements = 8; i) ct observation of water quality o recreational activities. K) ex	dual parameter scores: a) silvicultural practices; c) soil g clearing, coupled with egetation community zonation		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7	compared to existing foreste shrub, or ground stratum = c) regeneration and recruitn distribution = 4, atypical of f 4; f) plant condition = 4, ; g)	ed system. Individual parameta,; b) invasive exotics or othent = 3, removal of canopy, orested wetland; e) density a	eter scores: a) plant communer invasive plant species = 7 recruitment affected by main nd quality of coarse woody d = 6, silvicultural practices an	7, very little nuisance species; tenance; d) age & size ebris, snag, den, and cavity = id access roads, h) topographi		
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.67 0.63333	If preservation as miti- Preservation adjustme Adjusted mitigation de	ent factor =	For impact ass FL = delta			
D. 1	If mitigation		For mitigation as	sessment areas		
Delta = [with-current]	Time lag (t-factor) =		DEO 1 " " 1" 1			
-0.03	Risk factor =		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-387	
FLUCCs code		Further classifica	ition (optional)		Impac	t or Mitigation Site?	Assessment Area Size	
641					I	Existing Condition		
Basin/Watershed Name/Number	Affect	ed Waterbody (Clas	ss)	Special Classificati	tion (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River								
Geographic relationship to and hyd	golork	ic connection with	wetlands, other	surface water, upl	ands			
Smaller isloated and outer edges o	of mixe	ed forested wetlar	nds that are isolat	ed and receive su	ırface	water runoff from adjac	ent silviculture lands.	
Assessment area description The canopy stratum in the outer ed sweetgum, slash pine (recruited), athe edges. The subcanopy stratum fetterbush, highbush blueberry, wachain fern, flatsedge, greenbrier, d(Eleocharis sp.), among others.	and dand dand dand	ahoon (llex cassin prises red maple, s tle, and saw palm	ne), with occurrence slash pine, lobloll netto. The groundo	ces of loblolly bay ly bay, and wax m cover comprises o ern, blackberry, ma	(Gord yrtle. ⁻ If a va aidend	lonia lasianthus) and pl The shrub stratum compriety of species includin cane, 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.)				
Silvicultural operations, roadways				Not rare in relation to regional landscape				
Functions				Mitigation for previous permit/other historic use				
Wildlife habitat, wat	ter trea	atment and storag	је	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, he	rpetofauna		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	izatior	1 (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	e(s):			
M Harrington/M Goff				4/16/2019				

Site/Project Name	Application Number	Assessment Are	sessment Area Name or Number			
	Dh 0	, approach i turnor		.550001110111.7110		
Gulf NFRC Phase 3					W-GOL-387	
Impact or Mitigation		Assessment conducted by:	Α	Assessment date	e:	
Impact (Cle	earing)	M. Harrington			4/16/2019	
Scoring Guidance	Ontimal (40)	Moderate/7	Mini	mal (4)	Not Procent	/ 0\
The scoring of each	Optimal (10)	Moderate(7) Condition is less than	IVIIIII	mal (4)	Not Present	(0)
indicator is based on	Condition is optimal and fully supports	optimal, but sufficient to		el of support of	Condition is insuffic	
what would be suitable for the type of wetland or	wetland/surface water	maintain most wetland/surface		urface water ctions	provide wetland/surfa functions	ace water
surface water assessed	functions	waterfunctions				
	I					
	Loss of canony species ass	ociated with clearing the trans	emission line	ROW would red	fuce the location and	
.500(6)(a) Location and Landscape Support		for wetland forests through lo				:0
Landscape Support		ividual parameter scores: a)				
		8; c) Wildlife access to and f riers = 7; e) Impacts to wildlif				
w/o pres or current with	connected areas downstrea	m of assessment area = 8; g)				
6 5	6, benefit to downstream ar	eas.				
	Clearing the canony will tem	porarily impact the water env	vironment vari	iable converting	r forested system to a	
		silt fencing will reduce tempo				
.500(6)(b)Water Environment) water level indicators = 7, a				
(n/a for uplands)		n expected; d) soil erosion or ay, adjacent landuses; e) evid				
	5, removal of canopy, conve	ersion to herbaceous; g) hydro	ologic stress	on vegetation =	5, canopy removal, ro	outine
		mal species with specific hydr				
w/o pres or		uality degradation = 7; j) directing minor sedimentation due to				
current with		nergy, currents and light pen			3 1 7	,
7 7						
.500(6)(c)Community structure						
		ert the system to a freshwate				
Vegetation and/or		ed system. Individual parame 4,; b) invasive exotics or oth				
2. Benthic Community		nent = 3, removal of canopy, i				
		orested wetland; e) density ar land management practices				
w/o pres or		algal growth in submerged aq				- 9:
current with	ł					
7 7						
Coors = sum of share seems/20 //s	If preservation as mitig	ration		For impact asse	esement areas	
Score = sum of above scores/30 (if uplands, divide by 20)				FL = delta		
current	Preservation adjustme	ant lactor -				
or w/o pres with	Adjusted mitigation de	elta =		FL: 5.67 ac. >	c 0.53= 3.01	
0.67 0.63333] L					
	J					
	If mitigation		F	or mitigation ass	sessment areas	
Delta = [with-current]	Time lag (t-factor) =					
-0.03	Risk factor =	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-388	
FLUCCs code	F	Further classifica	tion (optional)		Impac	et or Mitigation Site?	Assessment Area Size	
641					l	Existing Condition		
Basin/Watershed Name/Number	Affected	d Waterbody (Clas	s)	Special Classificati	tion (i.e.OFW, AP, other local/state/federal designation of importance)			
Apalachicola River								
Geographic relationship to and hyd	drologic	connection with	wetlands, other	surface water, upl	ands			
Smaller isloated and outer edges o	of mixed	d forested wetlan	nds that are isolat	ed and receive su	ırface	water runoff from adjac	cent silviculture lands.	
Assessment area description The canopy stratum in the outer ecsweetgum, slash pine (recruited), athe edges. The subcanopy stratum fetterbush, highbush blueberry, wachain fern, flatsedge, greenbrier, d(Eleocharis sp.), among others.	and dah n compr ax myrtle	hoon (llex cassing rises red maple, s le, and saw palmo	e), with occurrend slash pine, lobloll etto. The groundd	ces of loblolly bay y bay, and wax m cover comprises o ern, blackberry, ma	(Gord yrtle. ⁻ of a va aidend	donia lasianthus) and pl The shrub stratum com 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 (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, wat	ter trea	tment and storag	je	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, her	petofauna		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 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 Are	Assessment Area Name or Number		
Gulf NFRC I	Phase 3		W-GOL-388			
Impact or Mitigation		Assessment conducted by:	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			
.500(6)(a) Location and Landscape Support w/o pres or current with 6	landscape support variable herbaceous community. Ind b) Invasive exotic species = downstream-distance or bal	e 8; c) Wildlife access to and it rriers = 7; e) Impacts to wildlif m of assessment area = 8; g	ss of contiguous forested pa Support to wildlife listed in F from outside = 7; d) functions e listed in Part 1 by outside l	rcels and conversion to Part 1 by outside habitats = 6;		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7	freshwater marsh, although water levels and flows = 7; I moisture = 7, consistent wit existing erosion from roadw 5, removal of canopy, convemaintenance; h) use by animand associated with water quearing coupled with existing	n expected; d) soil erosion or ay, adjacent landuses; e) evicersion to herbaceous; g) hydr mal species with specific hydr uality degradation = 7; j) direction	rary turbidity impacts. Indivi- altered hydroperiod due to to deposition = 5, erosion during dence of fire history = 6; f) vo- ologic stress on vegetation = rological requirements = 8; i) ct observation of water quality or recreational activities. K) ex	dual parameter scores: a) silvicultural practices; c) soil ng clearing, coupled with egetation community zonation =		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7	compared to existing foreste shrub, or ground stratum = c) regeneration and recruitn distribution = 4, atypical of f 4; f) plant condition = 4, ; g)	ed system. Individual parame 4,; b) invasive exotics or oth nent = 3, removal of canopy, orested wetland; e) density a	eter scores: a) plant communion invasive plant species = 7 recruitment affected by main and quality of coarse woody d = 6, silvicultural practices and	7, very little nuisance species; tenance; d) age & size ebris, snag, den, and cavity = id access roads, h) topographic		
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.6667 0.63333	If preservation as miti- Preservation adjustme Adjusted mitigation de	ent factor =	For impact ass FL = delta	essment areas x acres =		
	If mitigation	 1				
Delta = [with-current]	Time lag (t-factor) =		For mitigation as	sessment areas		
-0.03	Risk factor =		RFG = delta/(t-factor	x risk) =		