ATTACHMENT A UMAM - 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	DFW, AP, other local/state/federa	I designation of importance)
Ochlockonee River						
Geographic relationship to and hyd	trologic connection with	wetlands, other	surface water, upl	ands		
Wetland that has been isolated by	a road and rail line and	adjacent to light	industrial facilities	5.		
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.)			
Industrial operations, roadways, rail			Not rare in relation to regional landscape			
Functions			Mitigation for previous permit/other historic use			
Wildlife habitat, wa	er treatment and storag	ge	N/A			
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				T, SSC	by Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna				se by wading birds suc blue heron (SSC), snor 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	Assessmen	t Area Name or Number		
	Gulf NFRC I	Phase 3			W-GOL-296A		
Impact or Mitigation	n		Assessment conducted by:	Assessmen	t date:		
	Impact (Cle	earing)	M. Harrington		4/16/2019		
				Minimal (4)			
Scoring Guidar The scoring of e		Optimal (10)	Moderate(7) Condition is less than	Not Present (0)			
indicator is base what would be su for the type of weth surface water ass	ed on litable land or	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	, but sufficient to aintain most land/surface functions Condition wetland/surface water functions			
.500(6)(a) Loc Landscape w/o pres or current 4		landscape support variable herbaceous community. Inc (situated between raised ro Lygodium); c) Wildlife acce benefit fish & wildlife downs = 4; f) Hydrologically conne	ad and railway) and subject to ss to and from outside = 2 (ac stream-distance or barriers = 5	ss of contiguous foreste Support to wildlife listed public use; b) Invasive cess restricted by roads 5; e) Impacts to wildlife list sessment area = 6; g) D			
.500(6)(b)Water (n/a for up w/o pres or current 6		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	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. In) water level indicators = d) soil erosion or depos tory = 7 (consistent with ess on vegetation = 7 (c 7 (consistent with expected); j	erting forested system to a ndividual parameter scores: a) = 5 (altered hydroperiod due to to ition = 5 (some existing erosion expected); f) vegetation community onsistent with expected); h) use by tted); i) vegetative species tolerant) direct observation of water quality pth wave, wave energy, currents		
.500(6)(c)Commu 1. Vegetatio 2. Benthic Co w/o pres or <u>current</u>	on and/or	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	vill convert the system to a freshwater marsh community with significant loss of functional g forested system. Individual parameter scores: a) plant community species in the canop atum = 7 (generally consistent eith expected, grouncover somewhat lacking); b) invasive sive plant species = 8 (very little nuisance species); c) regeneration and recruitment = 7 py species somewhat lacking; d) age & size distribution = 7 (typical of forested wetland); f coarse woody debris, snag, den, and cavity = 7 (consistent with expected); f) plant con pected); g) land management practices = 6 (silvicultural practices and access roads), h) $s = 7$, ; i) siltation or algal growth in submerged aquatic plant communities = 8 (very mino				
7	Ű						
7 Score = sum of abov uplands, divid current pr w/o pres 0.57	ve scores/30 (if	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		assessment areas delta x acres =		
Score = sum of abov uplands, divid current pr w/o pres	ve scores/30 (if de by 20) with	Preservation adjustm	ent factor =	FL = (delta x acres =		
Score = sum of abov uplands, divid current pr w/o pres	ve scores/30 (if de by 20) with 0.4	Preservation adjustm Adjusted mitigation de	ent factor =	FL = (

Site/Project Name		Application Number	۱۲		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GC	DL-298
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		
Wetland is surrounded by forested	l upland and commercia	al development, c	onnects directly to	other	wetland systems up ar	nd downstream.
Assessment area description						
The canopy and shrub strata in the cover is dominated by slender crow				ple,wa	ter oak, and southern b	bayberry. The ground
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)			
Roadways and railways			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious	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, 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: M. Harrington/M. Goff			Assessment date 4/16/2019	e(S):		
, , , , , , , , , , , , , , , , , , ,						

		Assessment A	Assessment Area Name or Number		
(Gulf NFRC I	Phase 3			W-GOL-298
Impact or Mitigation			Assessment conducted by:	Assessment d	ate:
1	Impact (Cle	earing)	M. Harrington		4/16/2019
					· · · · · ·
Scoring Guidance The scoring of eac		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)
indicator is based o what would be suital for the type of wetland surface water assess	ole d 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) Locati Landscape Su w/o pres or current 4		landscape support variable herbaceous community. Inc (situated between raised ro 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) Depe	arcels and conversion to Part 1 by outside habitats = 2 otic species = 5 (moderate
.500(6)(b)Water Env (n/a for uplan w/o pres or <u>current</u> 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 water	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. Indi) water level indicators = 5 d) soil erosion or depositio 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)Communit		compared to existing forest	vert the system to a freshwate	r marsh community with sig	
2. Benthic Comr w/o pres or current 7		exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected	7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age	xpected, grouncover some sance species); c) regenera a & size distribution = 7 (typ nd cavity = 7 (consistent wi ces = 6 (silvicultural practic	<pre>vhat lacking); b) invasive ition and recruitment = 7 ical of forested wetland); e) th expected); f) plant condition = es and access roads), h)</pre>
w/o pres or current	with 3 cores/30 (if	exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected topographic features = 7, ; i	7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age e woody debris, snag, den, ar); g) land management practic) siltation or algal growth in su gation, ent factor =	spected, grouncover some sance species); c) regenera a & size distribution = 7 (typ nd cavity = 7 (consistent wi ces = 6 (silvicultural practic ubmerged aquatic plant cor For impact as	inity species in the canopy, what lacking); b) invasive tion and recruitment = 7 ical of forested wetland); e) th expected); f) plant condition = es and access roads), h)
w/o pres or current 7 Score = sum of above s uplands, divide b current or w/o pres	with 3 cores/30 (if y 20) with	exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected topographic features = 7, ; i If preservation as miti Preservation adjustme Adjusted mitigation de	7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age e woody debris, snag, den, ar); g) land management practic) siltation or algal growth in su gation, ent factor =	spected, grouncover some sance species); c) regenera a & size distribution = 7 (typ nd cavity = 7 (consistent wi ces = 6 (silvicultural practic ubmerged aquatic plant cor For impact as	inity species in the canopy, what lacking); b) invasive ition and recruitment = 7 ical of forested wetland); e) th expected); f) plant condition = es and access roads), h) nmunities = 8 (very minor).
w/o pres or current 7 Score = sum of above s uplands, divide b current or w/o pres	with 3 cores/30 (if y 20) with 0.4	exotics or other invasive pla (recruitment of canopy spec density and quality of coars 7 (consistent with expected topographic features = 7, ; i	7 (generally consistent eith ex ant species = 8 (very little nuis cies somewhat lacking; d) age e woody debris, snag, den, ar); g) land management practic) siltation or algal growth in su gation, ent factor =	spected, grouncover some sance species); c) regenera e & size distribution = 7 (typ nd cavity = 7 (consistent wi ces = 6 (silvicultural practic ubmerged aquatic plant cor	inity species in the canopy, what lacking); b) invasive ition and recruitment = 7 ical of forested wetland); e) th expected); f) plant condition = es and access roads), h) nmunities = 8 (very minor).

Site/Project Name		Application Number	۱۲		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GC	DL-300
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	hlockonee 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	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 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				se by wading birds suc blue heron (SSC), snor 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			

W-GOL-300 ted by: Assessment date: ington 4/16/2019 Minimal (4) Not Present (0) than Minimal level of support of wetland/surface water functions e functions condition is insufficient to provide wetland/surface water functions he transmission line ROW would reduce the location and rough loss of contiguous forested parcels and conversion to res: a) Support to wildlife listed in Part 1 by outside habitats = 2 ubject to public use; b) Invasive exotic species = 5 (moderate e = 2 (access restricted by roads and railway; d) functions that riers = 5; e) Impacts to wildlife listed in Part 1 by outside land uses and real set access restricted by roads and railway; d) functions that
ted by: Assessment date: ington 4/16/2019 Minimal (4) Not Present (0) than Minimal level of support of wetland/surface water functions e functions s Condition is insufficient to provide wetland/surface water functions he transmission line ROW would reduce the location and ough loss of contiguous forested parcels and conversion to res: a) Support to wildlife listed in Part 1 by outside habitats = 2 ubject to public use; b) Invasive exotic species = 5 (moderate e = 2 (access restricted by roads and railway; d) functions that riers = 5; e) Impacts to wildlife listed in Part 1 by outside land uses
Minimal (4) Not Present (0) than ent to t Minimal level of support of wetland/surface water functions Condition is insufficient to provide wetland/surface water functions he transmission line ROW would reduce the location and rough loss of contiguous forested parcels and conversion to res: a) Support to wildlife listed in Part 1 by outside habitats = 2 ubject to public use; b) Invasive exotic species = 5 (moderate e = 2 (access restricted by roads and railway; d) functions that riers = 5; e) Impacts to wildlife listed in Part 1 by outside land uses
Minimal (4) Not Present (0) than ent to t Minimal level of support of wetland/surface water functions Condition is insufficient to provide wetland/surface water functions te functions Condition is insufficient to provide wetland/surface water functions te s Condition is insufficient to provide wetland/surface water functions te s Condition is insufficient to provide wetland/surface water functions te s S the transmission line ROW would reduce the location and rough loss of contiguous forested parcels and conversion to res: a) Support to wildlife listed in Part 1 by outside habitats = 2 ubject to public use; b) Invasive exotic species = 5 (moderate ties = 2 (access restricted by roads and railway; d) functions that riers = 5; e) Impacts to wildlife listed in Part 1 by outside land uses
than ent to t e s Minimal level of support of functions t t t t t t t t t t t t t
ent to t Minimal level of support of wetland/surface water functions Condition is insufficient to provide wetland/surface water functions the transmission line ROW would reduce the location and rough loss of contiguous forested parcels and conversion to res: a) Support to wildlife listed in Part 1 by outside habitats = 2 ubject to public use; b) Invasive exotic species = 5 (moderate = 2 (access restricted by roads and railway; d) functions that riers = 5; e) Impacts to wildlife listed in Part 1 by outside land uses
rough loss of contiguous forested parcels and conversion to res: a) Support to wildlife listed in Part 1 by outside habitats = 2 ubject to public use; b) Invasive exotic species = 5 (moderate x = 2 (access restricted by roads and railway; d) functions that riers = 5; e) Impacts to wildlife listed in Part 1 by outside land uses
m of assessment area = 6; g) Dependency of downstream areas or eam areas.
ater environment variable, converting forested system to a a temporary turbidity impacts. Individual parameter scores: a) year; b) water level indicators = 5 (altered hydroperiod due to to ected); d) soil erosion or deposition = 5 (some existing erosion if ire history = 7 (consistent with expected); f) vegetation community ogic stress on vegetation = 7 (consistent with expected); h) use by hents = 7 (consistent with expected); i) vegetative species tolerant = 7 (consistent with expected); j) direct observation of water quality quality data = N/A; I) water depth wave, wave energy, currents
eshwater marsh community with significant loss of functional value parameter scores: a) plant community species in the canopy, t eith expected, grouncover somewhat lacking); b) invasive ttle nuisance species); c) regeneration and recruitment = 7 ; d) age & size distribution = 7 (typical of forested wetland); e)
den, and cavity = 7 (consistent with expected); f) plant condition = t practices = 6 (silvicultural practices and access roads), h) with in submerged aquatic plant communities = 8 (very minor).
den, and cavity = 7 (consistent with expected); f) plant condition = t practices = 6 (silvicultural practices and access roads), h)
den, and cavity = 7 (consistent with expected); f) plant condition = t practices = 6 (silvicultural practices and access roads), h) wth in submerged aquatic plant communities = 8 (very minor). For impact assessment areas FL = delta x acres =
den, and cavity = 7 (consistent with expected); f) plant condition = t practices = 6 (silvicultural practices and access roads), h) with in submerged aquatic plant communities = 8 (very minor). For impact assessment areas
de t p

Site/Proje	ct Name			Application Number	Assessment	Assessment Area Name or Number		
	Gu	ulf NFRC F	Phase 3			W-GOL-300		
Impact or	Mitigation			Assessment conducted by:	Assessment	date:		
		Impact (Fill)	M. Harrington		4/16/2019		
	0.11							
	ng Guidance oring of each	_	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicato what would for the type	or is based on uld be suitable pe of wetland o water assessed	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			
	(6)(a) Location ndscape Supp r		landscape support variabl herbaceous community. Ir (situated between raised r Lygodium); c) Wildlife acc benefit fish & wildlife dowr = 4; f) Hydrologically conn	oad and railway) and subject t ess to and from outside = 2 (a istream-distance or barriers =	oss of contiguous forested) Support to wildlife listed o public use; b) Invasive of ccess restricted by roads 5; e) Impacts to wildlife list sessment area = 6; g) De	l parcels and conversion to in Part 1 by outside habitats = 2 exotic species = 5 (moderate		
	(b)Water Envir n/a for uplands r		freshwater marsh, althoug water levels and flows = 7 ditching); c) soil moisture from roadway, adjacent la zonation = 7 (consistent w animal species with specil of and associated with wa	will temporarily impact the water environment variable, converting forested system to a though silt fencing will reduce temporary turbidity impacts. Individual parameter scores: a) $vs = 7$ (appropriate for time of year; b) water level indicators = 5 (altered hydroperiod due to the sture = 7 (consistent with expected); d) soil erosion or deposition = 5 (some existing erosion ent landuses); e) evidence of fire history = 7 (consistent with expected); f) vegetation commuternt with expected); g) hydrologic stress on vegetation = 7 (consistent with expected); h) use specific hydrological requirements = 7 (consistent with expected); i) vegetative species toleration the avert quality degradation = 7 (consistent with expected); j) direct observation of water quartical requirements = N/A; l) water depth wave, wave energy, currents = N/A.				
1. \	c)Community Vegetation and enthic Commu	d/or	compared to existing fores shrub, or ground stratum exotics or other invasive p (recruitment of canopy sp density and quality of coal 7 (consistent with expecte	sted system. Individual param = 7 (generally consistent eith e plant species = 8 (very little nui ecies somewhat lacking; d) ag	eter scores: a) plant comp expected, grouncover som isance species); c) regence e & size distribution = 7 (t and cavity = 7 (consistent ices = 6 (silvicultural pract	ewhat lacking); b) invasive eration and recruitment = 7 ypical of forested wetland); e) with expected); f) plant condition = ices and access roads), h)		
	um of above sco		If preservation as m	itigation,		assessment areas		
upla current	ands, divide by	20)	Preservation adjustr	nent factor =	FL = d	elta x acres =		
	6	with	Adjusted mitigation	delta =	FL: 0.015 a	ac. x 0.57 = 0.009		
or w/o pres		~						
or w/o pres 0.57		0		-				
		0	If mitigation		For mitigation	assessment areas		
0.57	ta = [with-curre		If mitigation Time lag (t-factor) =		For mitigation	assessment areas		

Site/Project Name		Application Number	۱۲		Assessment Area Name	or Number
Gulf NFRC Pha	se 3		W-GOL-302			DL-302
FLUCCs code	Further classifica	ation (optional)		Impac	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	onee River					
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands		
Wetland that is surrounded by road	ds and upland forest, co	onnects directly to	other wetland sy	stems.		
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 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	e		Application Number	Assessment A	ssessment Area Name or Number		
	Gulf NFRC I	Phase 3			W-GOL-302		
Impact or Mitigation	on		Assessment conducted by:	Assessment da	ate:		
1	Impact (Cle	earing)	M. Harrington		4/16/2019		
0 1 0 1	1						
Scoring Guida 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	ed on uitable tland 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) Lo Landscape v/o pres or current 4		landscape support variable herbaceous community. In (situated between raised ro Lygodium); c) Wildlife acce benefit fish & wildlife down = 4; f) Hydrologically conne		bass of contiguous forested p Support to wildlife listed in poblic use; b) Invasive execcess restricted by roads ar 5; e) Impacts to wildlife listed sessment area = 6; g) Dependent	arcels and conversion to Part 1 by outside habitats = 2 otic species = 5 (moderate		
.500(6)(b)Water (n/a for u v/o pres or <u>current</u> 6		freshwater marsh, although water levels and flows = 7 ditching); c) soil moisture = from roadway, adjacent lan zonation = 7 (consistent wi animal species with specifi of and associated with wate	7 (consistent with expected); iduses); e) evidence of fire his th expected); g) hydrologic str c hydrological requirements = er quality degradation = 7 (cor inoff); K) existing water quality	by a provide the second state of the second st	vidual parameter scores: a) (altered hydroperiod due to to n = 5 (some existing erosion pected); f) vegetation community sistent with expected); h) use by (); i) vegetative species tolerant rect observation of water quality		
.500(6)(c)Comm 1. Vegetati 2. Benthic C v/o pres or <u>current</u> 7	ion 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 ei ant species = 8 (very little nuis cies somewhat lacking; d) age	eter scores: a) plant commu xpected, grouncover some sance species); c) regenera e & size distribution = 7 (typ nd cavity = 7 (consistent wit ces = 6 (silvicultural practic	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 abc uplands, div current or w/o pres 0.57		If preservation as mit Preservation adjustm Adjusted mitigation d	ient factor =		sessment areas a x acres =		
0.57							
0.57		If mitigation		For mitigation of	ssessment areas		
Delta = [wit	h-current]	If mitigation Time lag (t-factor) =		For mitigation a	ssessment areas		

Site/Project Name		Application Number	er	Assessment Area Name	or Number		
Gulf NFRC Pha	se 3			DL-303			
FLUCCs code	Further classifica	tion (optional)	Impact or Mitigation Site? Assessment				
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	drologic connection with	wetlands, other	surface water, upl	ands			
Wetland that is surrounded by road	ds, railroad tracks, and	upland forest, co	nnects directly to a	other wetland 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.)				
Commerical 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 storag	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 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	ea Name or Number
Gulf NFR	C Phase 3			W-GOL-303
Impact or Mitigation	Clearing)	Assessment conducted by: M. Harrington	Assessment da	4/16/2019
impact (cleaning)			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	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. Inc (situated between raised ro Lygodium); c) Wildlife acce benefit fish & wildlife downs = 4; f) Hydrologically conne		ss of contiguous forested p Support to wildlife listed in public use; b) Invasive exc ccess 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 Environmen (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 lan zonation = 7 (consistent wit animal species with specific of and associated with wate	7 (consistent with expected); duses); e) evidence of fire his 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) direction	idual parameter scores: a) (altered hydroperiod due to to n = 5 (some existing erosion pected); f) vegetation community istent with expected); h) use by); i) vegetative species tolerant rect observation of water quality
.500(6)(c)Community structu 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	Clearing of canopy will com compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spe- density and quality of coars 7 (consistent with expected	ted 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 a & size distribution = 7 (typi nd cavity = 7 (consistent with ces = 6 (silvicultural practice	that lacking); b) invasive tion and recruitment = 7 cal of forested wetland); e) h expected); f) plant condition = es and access roads), h)
Score = sum of above scores/30 uplands, divide by 20) current or w/o pres 0.57	(if If preservation as mit Preservation adjustm Adjusted mitigation d	ent factor =		sessment areas a x acres =
· · · · ·	If mitigation			
Delta = [with-current]	Time lag (t-factor) =		For mitigation a	ssessment areas
-0.17	Risk factor =		RFG = delta/(t-factor	x risk) =

Site/Project Name		Application Number	۱۲		Assessment Area Name	or Number
Gulf NFRC Pha	se 3		W-GOL-304B			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, co	nnects directly to a	other w	etland systems.	
Assessment area description						
The canopy and shrub strata in the cover is dominated by slender crow				ple,wa	ter oak, and southern b	bayberry. The ground
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)			
Utility substation, roadways, railways			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	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		
	Gu	If NFRC F	Phase 3			W-GOL-304B		
Impact or Mitigation				Assessment conducted by:	Assessment	date:		
•	•	npact (Cle	earing)	M. Harrington		4/16/2019		
Scoring C	Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
The scorin	ng of each	-	Condition is optimal and	Condition is less than				
indicator is what would for the type of surface wate	be suitable of wetland o	or	fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of suppor wetland/surface wate functions			
	a) Location		landscape support variabl herbaceous community. In (situated between raised r Lygodium); c) Wildlife acc benefit fish & wildlife dowr = 4; f) Hydrologically conr	road and railway) and subject to sess to and from outside = 2 (an instream-distance or barriers =	oss of contiguous forested Support to wildlife listed o public use; b) Invasive ccess restricted by roads 5; e) Impacts to wildlife lis sessment area = 6; g) De	d parcels and conversion to in Part 1 by outside habitats = 2 exotic species = 5 (moderate		
()()	Vater Envir for uplands		freshwater marsh, althoug water levels and flows = 7 ditching); c) soil moisture from roadway, adjacent la zonation = 7 (consistent w animal species with speci of and associated with wa	= 7 (consistent with expected); induses); e) evidence of fire his vith expected); g) hydrologic str fic hydrological requirements = ter quality degradation = 7 (con unoff); K) existing water quality	by a provide the second			
	Community s getation and hic Commu	d/or	compared to existing fore: shrub, or ground stratum exotics or other invasive p (recruitment of canopy sp density and quality of coa 7 (consistent with expected	sted system. Individual param = 7 (generally consistent eith e plant species = 8 (very little nui ecies somewhat lacking; d) ago	eter scores: a) plant comp xpected, grouncover som sance species); c) regend e & size distribution = 7 (t nd cavity = 7 (consistent ces = 6 (silvicultural prac	ewhat lacking); b) invasive eration and recruitment = 7 ypical of forested wetland); e) with expected); f) plant condition = tices and access roads), h)		
Score = sum o upland current or w/o pres	of above sco ls, divide by 2		If preservation as m Preservation adjustr Adjusted mitigation	ment factor =		assessment areas elta x acres =		
0.57		0.4			L			
			If mitigation		For mitigation	n assessment areas		
Delta =	= [with-curre	ent]	Time lag (t-factor) =					
-0.17 Risk factor =			Dist. fastan		RFG = delta/(t-fac	tor v rick) -		

Site/Proje	ect 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	nt date:		
		Impact (Fill)	M. Harrington		4/16/2019		
	0.11				·····			
	ng Guidance oring of each	_	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicato what wo for the typ	indicator is based on what would be suitable		fully supports wetland/surface water	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of suppo wetland/surface wa functions			
	(6)(a) Location ndscape Supp r		landscape support variab herbaceous community. I (situated between raised Lygodium); c) Wildlife acc benefit fish & wildlife dow = 4; f) Hydrologically conr	road and railway) and subject t cess to and from outside = 2 (a nstream-distance or barriers =	oss of contiguous foreste) Support to wildlife listed o public use; b) Invasive ccess restricted by road 5; e) Impacts to wildlife sessment area = 6; g) D	ed parcels and conversion to d in Part 1 by outside habitats = 2		
	(b)Water Envir n/a for uplands r		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 sti fic hydrological requirements = ater quality degradation = 7 (con runoff); K) existing water quality	orary turbidity impacts. b) water level indicators ; d) soil erosion or depos story = 7 (consistent with ress on vegetation = 7 (consistent with expensistent with expensistent with expected);	verting forested system to a Individual parameter scores: a) = 5 (altered hydroperiod due to to sition = 5 (some existing erosion n expected); f) vegetation community consistent with expected); h) use by cted); i) vegetative species tolerant j) direct observation of water quality epth wave, wave energy, currents		
1. \	c)Community : Vegetation and tenthic Commu	d/or	compared to existing fore shrub, or ground stratum exotics or other invasive p (recruitment of canopy sp density and quality of coa 7 (consistent with expected	sted system. Individual param = 7 (generally consistent eith e plant species = 8 (very little nui ecies somewhat lacking; d) ag	eter scores: a) plant cor expected, grouncover so isance species); c) reger e & size distribution = 7 and cavity = 7 (consisten ices = 6 (silvicultural pra	neration and recruitment = 7 (typical of forested wetland); e) t with expected); f) plant condition = ctices and access roads), h)		
	um of above sco		If preservation as m	nitigation,		t assessment areas		
upla current	ands, divide by 2	20)	Preservation adjust	ment factor =	FL =	delta x acres =		
or w/o pres	s] [with	Adjusted mitigation	delta =	FL: 0.005	ac. x 0.57 = 0.003		
0.57		0]					
			If mitigation		For mitigati	on appagement group		
						on assessment areas		
Delt	ta = [with-curre	ent]	Time lag (t-factor) =		RFG = delta/(t-fa			

Site/Project Name		Application Number			Assessment Area Name or Number		
Gulf NFRC Pha	se 3				W-GC	DL-306	
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, 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				ple,wa	ter oak, and southern b	payberry. The ground	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)				
Utility substation, roadways, railways			No	t rare i	n relation to regional la	andscape	
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	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 NFR	C Phase 3			W-GOL-306		
Impact or Mitigation	Clearing	Assessment conducted by:	Assessment da			
Impact	Clearing)	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 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 4 3	landscape support variable herbaceous community. Inc (situated between roadways Lygodium); c) Wildlife acce benefit fish & wildlife downs = 4; f) Hydrologically conne		ss of contiguous forested p Support to wildlife listed in blic use; b) Invasive exotic ccess 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 species = 5 (moderate		
.500(6)(b)Water Environmer (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 lan zonation = 7 (consistent wit animal species with specific of and associated with wate	7 (consistent with expected); duses); e) evidence of fire his 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) direction	idual 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 structu 1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	Clearing of canopy will com 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	ted 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 a & size distribution = 7 (typi nd cavity = 7 (consistent with ces = 6 (silvicultural practice	that lacking); b) invasive tion and recruitment = 7 cal of forested wetland); e) h expected); f) plant condition = es and access roads), h)		
Score = sum of above scores/30 uplands, divide by 20) current or w/o pres 0.57	(if If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		sessment areas a x acres =		
	If mitigation					
Delta = [with-current]	Time lag (t-factor) =		For mitigation a	ssessment areas		
-0.17	Risk factor =		RFG = delta/(t-factor	x risk) =		
-0.17						

Site/Project Name		Application Number			Assessment Area Name or Number	
Gulf NFRC Pha	se 3				W-GO	L-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	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 a	other w	vetland systems.	
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 (considering the relative rarity in relation to the regional landscape.)				
Roadways, railways			No	t rare i	n relation to regional la	andscape
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	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	//000000110111//	Assessment Area Name or Number		
Gulf NFRC	Phase 3			W-GOL-307A		
Impact or Mitigation		Assessment conducted by:	Assessment da	te:		
Impact (C	learing)	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	Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape Support w/o pres or <u>current with</u> 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	wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in F becies = 7 (minimal coverag bads); d) functions that ben ed by roads and ditching; ej blogically connected areas of	arcels and conversion to Part 1 by outside habitats = 6 le of Lygodium); c) Wildlife efit fish & wildlife downstream- I 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 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	h expected); g) hydrologic stre 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 vected); 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	Clearing of canopy will conv compared to existing forest shrub, or ground stratum = exotics or other invasive pla (recruitment of canopy spec	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) regenerat & size distribution = 7 (typic	hat lacking); b) invasive ion and recruitment = 7		
w/o pres or <u>current</u> with 7 3	7 (consistent with expected); g) land management practic i) siltation or algal growth in su	es = 6 (silvicultural practice	s and access roads), h)		
Score = sum of above scores/30 (i uplands, divide by 20) current or w/o pres with 0.63 0.43333	Preservation adjustme	ent factor =		essment areas a x acres =		
I	If we be not to					
Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigation as	ssessment areas		
Della = Iwin-currenti						

Site/Project Name			Application Number		Assessment Are	a Name or Number
		- 0				
Gulf NFRC Phase 3						W-GOL-307A
Impact or Mitigation			Assessment conducted by:	onducted by: Assessment date:		
Im	pact (Fill)		M. Harrington			4/16/2019
Scoring Guidance		Optimal (10)	Moderate(7)	Min	imal (4)	Not Present (0)
The scoring of each	C	ondition is optimal and	Condition is less than			
indicator is based on what would be suitable		fully supports	optimal, but sufficient to maintain most		el of support of surface water	Condition is insufficient to provide wetland/surface wate
for the type of wetland or	v	vetland/surface water functions	wetland/surface		nctions	functions
surface water assessed			waterfunctions			
	d lanc hert (red acc dista vith 1 by	Ascape support variable baceous community. Ind luced by proximity of bus ess to and from outside ance or barriers = 7 (dow v outside land uses = 5 (sociated with clearing the trans 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) Hydri hstream areas on assessmen	ss of contigu Support to w pecies = 7 (m oads); d) fund ted by roads a ologically con	ous forested par ildlife listed in Pa inimal coverage ctions that bene and ditching; e) inected areas do	cels and conversion to art 1 by outside habitats = 6 of Lygodium); c) Wildlife fit fish & wildlife downstream- Impacts to wildlife listed in Pa ownstream of assessment are
	nent wate ditcl from zon: anir of a with = 5	er levels and flows = 7 (a hing); c) soil moisture = n roadway, adjacent land ation = 7 (consistent with nal species with specific nd 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 stru- ; hydrological requirements = r quality degradation = 7 (con hoff); K) existing water quality	b) water level d) soil erosio story = 7 (consistent 7 (consistent sistent with e	indicators = 5 (a on or deposition = sistent with expe- ation = 7 (consis with expected); expected); j) dire	Itered hydroperiod due to to = 5 (some existing erosion ected); f) vegetation communi tent with expected); h) use by i) vegetative species tolerant ct observation of water quality
	Clea com shru exo (rec den 7 (c	pared to existing forest ub, or ground stratum = tics or other invasive pla ruitment of canopy spec sity and quality of coars onsistent with expected	vert 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); g) land management practio) siltation or algal growth in su	eter scores: a xpected, grou sance species & & size distril nd cavity = 7 ces = 6 (silvic	 plant communition ncover somewhis); c) regeneration bution = 7 (typication) (consistent with cultural practices 	ity species in the canopy, at lacking); b) invasive on and recruitment = 7 al of forested wetland); e) expected); f) plant condition = and access roads), h)
Score = sum of above scores/3	30 (if	If preservation as mitig	gation,		For impact asse	
uplands, divide by 20) current		Preservation adjustme	ent factor =		FL = delta	x acres =
pr w/o pres W	vith 0	Adjusted mitigation de	elta =		FL: 0.01 ac. x	0.63 = 0.006
				_		
		1. I.I				
		If mitigation		F	or mitigation as	sessment areas
Delta = [with-current]		If mitigation Time lag (t-factor) =			or mitigation as	

Site/Project Name Application Num			Assessment Area Name or Number			or Number
Gulf NFRC Pha	se 3				W-GO	L-308A
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	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	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, 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	ith occurrences of n hornbeam, and s nd bluestem palme 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
Junkyard, Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious p	permit/other historic us	e
Wildlife habitat, wa	er 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	<u>.</u>		

Site/Project N	lame			Application Number	Ass	Assessment Area Name or Number		
	Gul	f NFRC F	Phase 3				W-GOL-308A	
Impact or Mitigation			Assessment conducted by:	Ass	sessment date	9:		
	-	pact (Cle	earing)	M. Harrington			4/16/2019	
		_						
Scoring G The scoring		-	Optimal (10)	Moderate(7) Condition is less than	Minima	al (4)	Not Present (0)	
indicator is what would I for the type o surface wate	based on be suitable of wetland o	r	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level o wetland/surf functi	face water	Condition is insufficient to provide wetland/surface wate functions	
	a) Location cape Suppc		landscape support variabl herbaceous community. In (situated between roadwa and from outside = 2 (acc distance or barriers = 5; e	ssociated with clearing the tran le for wetland forests through lo ndividual parameter scores: a) ys/highways); b) Invasive exoti ess restricted by highway and f) Impacts to wildlife listed in Pa essment area = 6; g) Depender eas.	oss of contiguous) Support to wildl ic species = 5 (m fencing); d) func art 1 by outside la	s forested par ife listed in Pan noderate Lygo tions that ben and uses = 4;	rcels and conversion to art 1 by outside habitats = 2 odium); c) Wildlife access to refit fish & wildlife downstream f) Hydrologically connected	
.500(6)(b)W (n/a f w/o pres or current 6	Vater Envirc for uplands)		freshwater marsh, althoug water levels and flows = 7 road runoff); c) soil moistu from roadway, adjacent la zonation = 7 (consistent w animal species with speci of and associated with wa	emporarily impact the water emp h silt fencing will reduce tempo ' (appropriate for time of year; t ure = 7 (consistent with expected induses); e) evidence of fire his with expected); g) hydrologic str fic hydrological requirements = ter quality degradation = 7 (con 'unoff); K) existing water quality A.	orary turbidity im b) water level ind ed); d) soil erosic story = 7 (consist ress on vegetatic 7 (consistent wi nsistent with exp	pacts. Individ licators = 5 (a on or deposition tent with experi- on = 7 (consist th expected); j) dire	dual parameter scores: a) altered hydroperiod due to to on = 5 (some existing erosion ected); f) vegetation community stent with expected); h) use by i) vegetative species tolerant ct observation of water quality	
•	ommunity s letation and hic Commu	/or	compared to existing fore: shrub, or ground stratum exotics or other invasive p (recruitment of canopy sp density and quality of coa 7 (consistent with expecte	nvert the system to a freshwate sted system. Individual param = 7 (generally consistent eith e olant species = 8 (very little nui ecies somewhat lacking; d) age rse woody debris, snag, den, a sd); g) land management practi ; i) siltation or algal growth in s	eter scores: a) p expected, grounc sance species); e & size distribut and cavity = 7 (cc ices = 6 (silvicult	lant commun over somewh c) regeneration ion = 7 (typic onsistent with ural practices	ity species in the canopy, at lacking); b) invasive on and recruitment = 7 al of forested wetland); e) expected); f) plant condition = ; and access roads), h)	
Score = sum o uplands current or w/o pres 0.57	of above scor s, divide by 2		If preservation as m Preservation adjustr Adjusted mitigation	ment factor =	Fo	r impact asse FL = delta	essment areas x acres =	
			If mitigation					
		Delta = [with-current] Time lag (t-factor) =			For	mitigation as:	sessment areas	
Delta =	[with-curre	nt]	Time lag (t-factor) =			mitigation as: elta/(t-factor x		

Site/Project Name Application Nu			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 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	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 veetbay, Americar , Florida anise, ar	th occurrences of hornbeam, and s ad bluestem palme oweyed grass, cine	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 and other roads			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	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			W-GOL-309B		
Impact or Mitigation		Assessment conducted by				
Impact or Mitigation Impact (C	(learing)	Assessment conducted by: M. Harrington	Assessment of	ate: 4/16/2019		
impaci (C	ieanng)	W. Harnigton		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 wetland/surface water functions	of Condition is insufficient to provide wetland/surface wate functions		
.500(6)(a) Location and Landscape Support w/o pres or current with 4 3	landscape support variable herbaceous community. Inc (situated between roadways and from outside = 2 (access distance or barriers = 5; e)	s/highways); b) Invasive exotions restricted by highway and f Impacts to wildlife listed in Pa Issment area = 6; g) Depender	ss of contiguous forested 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 Environment (n/a for uplands) w/o pres or current with 6 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 structure hydrological requirements = er quality degradation = 7 (connoff); K) existing water quality 	rary turbidity impacts. Ind) water level indicators = 5 d) soil erosion or depositi tory = 7 (consistent with ex ess on vegetation = 7 (con 7 (consistent with expecte sistent with expected); j) of			
.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 e woody debris, snag, den, ar	eter scores: a) plant comm spected, grouncover some sance species); c) regener 4 & size distribution = 7 (typ nd cavity = 7 (consistent w ces = 6, h) topographic fea	what lacking); b) invasive ation and recruitment = 7		
Score = sum of above scores/30 (uplands, divide by 20) current or w/o pres 0.57	if If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		ssessment areas ta x acres =		
	If mitigation					
Delta = [with-current]	Time lag (t-factor) =		For mitigation	assessment areas		
-0.17	Risk factor =		RFG = delta/(t-facto	or x risk) =		

Site/Project Name			Application Number	Assessme	Assessment Area Name or Number		
Gulf	f NFRC P	hase 3			W-GOL-309B		
Impact or Mitigation			Assessment conducted by:	Assessme	ent date:		
	Impact (F	=ill)	M. Harrington	100000110	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	indicator is based on what would be suitable or the type of wetland or		optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of supp wetland/surface wa functions			
.500(6)(a) Location a Landscape Suppo w/o pres or current 4	ort	landscape support variable herbaceous community. Inc (situated between roadways and from outside = 2 (access distance or barriers = 5; e)	lividual parameter scores: a) s/highways); b) Invasive exoti ss restricted by highway and f Impacts to wildlife listed in Pa sment area = 6; g) Depender	ss of contiguous fores Support to wildlife liste c species = 5 (moderal encing); d) functions th rt 1 by outside land us	buld reduce the location and ted parcels and conversion to ed in Part 1 by outside habitats = 2 te Lygodium); c) Wildlife access to hat benefit fish & wildlife downstream es = 4; f) Hydrologically connected as on assessment area = 4, minimal		
.500(6)(b)Water Enviro (n/a for uplands) w/o pres or current 6	onment	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	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 noff); K) existing water quality	arary turbidity impacts. b) water level indicators c) soil erosion or deputory = 7 (consistent with ess on vegetation = 7 7 (consistent with expected)	Nutring forested system to a Individual parameter scores: a) s = 5 (altered hydroperiod due to to osition = 5 (some existing erosion th expected); f) vegetation communit (consistent with expected); h) use by ected); i) vegetative species tolerant ; j) direct observation of water quality lepth wave, wave energy, currents		
.500(6)(c)Community st 1. Vegetation and/ 2. Benthic Commur v/o pres or <u>current</u> 7	′or hity	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 e woody debris, snag, den, au	eter scores: a) plant co expected, grouncover so sance species); c) rege a & size distribution = 7 and cavity = 7 (consiste ces = 6, h) topographic	ith significant loss of functional value ommunity species in the canopy, omewhat lacking); b) invasive eneration and recruitment = 7 7 (typical of forested wetland); e) nt with expected); f) plant condition = c features = 7, ; i) siltation or algal		
Score = sum of above score		If preservation as miti	gation,		ct assessment areas		
uplands, divide by 20 current	U)	Preservation adjustme	ent factor =	FL =	= delta x acres =		
or w/o pres	with 0	Adjusted mitigation de	elta =	FL: 0.00	5 ac. x 0.57 = 0.003		
	5						
Dolto fuith group	otl	If mitigation		For mitigat	tion assessment areas		
Delta = [with-currer	nıj	Time lag (t-factor) =		RFG = delta/(t-f	actor x risk) =		
-0.57		NISK IACIUI =					

Site/Project Name		Application Number	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 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	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	v 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 veetbay, Americar , Florida anise, ar	th occurrences of hornbeam, and s ad 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.)			
Interstate highway and other roads			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	
Wading bir		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	Asses	Assessment Area Name or Number		
Gulf	Gulf NFRC Phase 3					W-309C
Impact or Mitigation			Assessment conducted by:	Asses	sment dat	e:
	act (Cle	aring)	M. Harrington			4/16/2019
Scoring Guidance	1	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			Condition is insufficient to provide wetland/surface wate functions
.500(6)(a) Location a Landscape Support w/o pres or current 4	nd t with	landscape support variable herbaceous community. Inc (situated between roadways and from outside = 2 (access distance or barriers = 5; e)	Impacts to wildlife listed in Pa ssment area = 6; g) Depender	oss of contiguous f Support to wildlife c species = 5 (mo fencing); d) functio irt 1 by outside lan	orested pa listed in P derate Lygo ns that ber d uses = 4	rcels and conversion to art 1 by outside habitats = 2 odium); c) Wildlife access to nefit fish & wildlife downstream
.500(6)(b)Water Environ (n/a for uplands) w/o pres or <u>current</u> 6	with	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	h expected); g) hydrologic str c hydrological requirements = er quality degradation = 7 (cor noff); K) existing water quality	orary turbidity impa b) water level indic ; d) soil erosion or story = 7 (consistent ess on vegetation 7 (consistent with asistent with expect	cts. Individuators = 5 (a deposition at with expe = 7 (consist expected); ted); j) dire	dual parameter scores: a) altered hydroperiod due to to = 5 (some existing erosion ected); f) vegetation communit stent with expected); h) use by i) vegetative species tolerant ect observation of water quality
.500(6)(c)Community str 1. Vegetation and/o 2. Benthic Communit v/o pres or current 7	or ity	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 ei ant species = 8 (very little nuis cies somewhat lacking; d) age	eter scores: a) pla xpected, groundco sance species); c) e & size distribution nd cavity = 7 (consi ces = 6, h) topogra	nt commun over somew regeneration = 7 (typic sistent with	hat lacking); b) invasive on and recruitment = 7 al of forested wetland); e) expected); f) plant condition =
Score = sum of above scores		If preservation as miti Preservation adjustm	•		mpact asse FL = delta	essment areas x acres =
uplands, divide by 20) current or w/o pres 0.57	with 0.4	Adjusted mitigation de	elta =			
current or w/o pres	0.4	Adjusted mitigation de If mitigation Time lag (t-factor) =	elta =	For m	itigation as	sessment areas

Site/Project Name			Application Number	Ass	essment Are	a Name or Number	
	Gulf NFRC Phase 3					W-309C	
		hase 5					
Impact or Mitigation	Impact (E:II)	Assessment conducted by: M. Harrington	Ass	essment date	e: 4/16/2019	
	Impact (F111)				4/10/2019	
Scoring Guidance		Optimal (10)	Moderate(7)	Minima	al (4)	Not Present (0)	
The scoring of each indicator is based of what would be suitat for the type of wetland surface water assess	n ble d 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 o wetland/surfa functio	ace water	Condition is insufficient t provide wetland/surface w functions	
.500(6)(a) Locati Landscape Suj 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)	sociated with clearing the tran of or wetland forests through lo dividual parameter scores: a) s/highways); b) Invasive exoti- ss restricted by highway and f Impacts to wildlife listed in Pa ssment area = 6; g) Depender as.	ss of contiguous Support to wildli c species = 5 (m encing); d) funct rt 1 by outside la	forested par fe listed in Pa oderate Lygo ions that ben and uses = 4;	cels and conversion to art 1 by outside habitats = 2 odium); c) Wildlife access to efit fish & wildlife downstrea f) Hydrologically connected	o eam- ed
.500(6)(b)Water Env (n/a for uplan 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 wi animal species with specifi of and associated with wate	mporarily impact the water env n silt fencing will reduce tempor (appropriate for time of year; b = 7 (consistent with expected); duses); e) evidence of fire his th expected); g) hydrologic stri- c hydrological requirements = er quality degradation = 7 (cor unoff); K) existing water quality	prary turbidity imp b) water level ind c d) soil erosion of tory = 7 (consist ess on vegetatio 7 (consistent with asistent with expe	bacts. Individ icators = 5 (a or deposition ent with expe n = 7 (consis th expected); j) dire	Jual parameter scores: a) litered hydroperiod due to to = 5 (some existing erosion ected); f) vegetation commu- tent with expected); h) use i) vegetative species tolera ct observation of water qua	n unity e by ant ality
.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	vert the system to a freshwate ted system. Individual parame 7 (generally consistent eith er 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) pl xpected, ground sance species); c & & size distributi nd cavity = 7 (co ces = 6, h) topog	ant commun cover somew c) regeneration on = 7 (typics nsistent with	ity species in the canopy, hat lacking); b) invasive on and recruitment = 7 al of forested wetland); e) expected); f) plant conditio	on =
Score = sum of above s uplands, divide b current		If preservation as mit Preservation adjustm		Fo	r impact asse FL = delta	essment areas x acres =	
or w/o pres 0.57	with 0	Adjusted mitigation d	elta =	FL	.: 0.005 ac. x	0.57 = 0.003	
		If mitigation			141 41		
Delta = [with-cu	rrent]	Time lag (t-factor) =		For	mitigation as	sessment areas	
-0.57		Risk factor =		RFG = de	elta/(t-factor x	risk) =	
		J L					

Site/Project Name		Application Number	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-310A
FLUCCs code	Further classification	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	v silviculture and comm	ercial developme	nt, and connects t	o othei	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	th occurrences of hornbeam, and s ad bluestem palme oweyed grass, cine	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.)			
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 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		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 Ar	Assessment Area Name or Number		
Gulf NFRC I	Gulf NFRC Phase 3			W-GOL-310A		
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			
.500(6)(a) Location and Landscape Support w/o pres or <u>current</u> 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	wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in I becies = 7 (minimal coverage bads); d) functions that ben ed by roads and ditching; e bologically connected areas of	arcels and conversion to Part 1 by outside habitats = 6 le of Lygodium); c) Wildlife efit fish & wildlife downstream-) Impacts to wildlife listed in Par 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 = 7 (roadway); c) soil moisture = from roadway, adjacent land zonation = 7 (consistent wit animal species with specific of and associated with water	h expected); g) hydrologic stre c hydrological requirements = er quality degradation = 7 (con noff); K) existing water quality	rary turbidity impacts. Indiv) water level indicators = 7 (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 n = 7 (some existing erosion bected); f) vegetation communit istent with expected); h) use by (b); i) vegetative species tolerant ect observation of water quality		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community v/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 spected, groundcover some sance species); c) regeneral & size distribution = 7 (typi and cavity = 7 (consistent with ses = 6, h) topographic featu	what lacking); b) invasive tion 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 with 0.67 0.46667	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		sessment areas a x acres =		
	If mitigation Time lag (t-factor) =		For mitigation as	ssessment areas		
Delta = [with-current]						

			Application Number	Assessmer	nt Area Name or Number
Gulf NFRC Phase 3				W-GOL-310A	
Impact or Mitigation			Assessment conducted by:	Assessmer	nt date:
	Impact (Fill)	M. Harrington		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 suppo wetland/surface wat functions	
.500(6)(a) Locatic 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 = 5	sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limit (adjacent to highway); f) Hydro	ss of contiguous foreste Support to wildlife listed becies = 7 (minimal cov bads); d) functions that ed by roads and ditchin blogically connected are	
.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	appropriate for time of year; b = 7 (consistent with expected); duses); e) evidence of fire his th expected); g) hydrologic stra c hydrological requirements = er quality degradation = 7 (con noff); K) existing water quality	rary turbidity impacts. I) water level indicators d) soil erosion or depo- tory = 7 (consistent with ess on vegetation = 7 (consistent with exper- sistent with expected);	verting forested system to a Individual parameter scores: a) = 7 (altered hydroperiod due to to sition = 7 (some existing erosion n expected); f) vegetation community consistent with expected); h) use by cted); i) vegetative species tolerant j) direct observation of water quality epth wave, wave energy, currents
.500(6)(c)Community 1. Vegetation au 2. Benthic Comm	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	ed 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	eter scores: a) plant con spected, groundcover so ance species); c) reger & size distribution = 7 ad cavity = 7 (consisten	(typical of forested wetland); e)
w/o pres or current 7	with 0	growth in submerged aquat	ic plant communities = 8 (very		features = 7, ; i) siltation or algal
Current 7 Score = sum of above sc	0 cores/30 (if		tic plant communities = 8 (very	/ minor). For impac	features = 7, ; i) siltation or algal t assessment areas
current 7	0 cores/30 (if		ic plant communities = 8 (very	/ minor). For impac	features = 7, ; i) siltation or algal
current 7 Score = sum of above so uplands, divide by	0 cores/30 (if	If preservation as mit	ic plant communities = 8 (very igation, ent factor =	/ minor). For impac	features = 7, ; i) siltation or algal t assessment areas
Current 7 Score = sum of above so uplands, divide by current pr w/o pres	0 cores/30 (if / 20) with	If preservation as mit Preservation adjustm Adjusted mitigation d	ic plant communities = 8 (very igation, ent factor =	/ minor). For impac	features = 7, ; i) siltation or algal t assessment areas delta x acres =
Current 7 Score = sum of above so uplands, divide by current pr w/o pres	0 cores/30 (if / 20) with 0	If preservation as mit Preservation adjustm	ic plant communities = 8 (very igation, ent factor =	r minor). For impac FL = FL: 0.005	features = 7, ; i) siltation or algal t assessment areas delta x acres =

Site/Project Name		Application Number	er		Assessment Area Name	or Number	
Gulf NFRC Pha	se 3				W-GC	DL-311	
FLUCCs code	Further classification	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			
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	th occurrences of hornbeam, and s ad 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 pre	vious	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, SSO	y Listed Species (List s C), type of use, and inte		
Wading bir		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	Assessmen	t Area Name or Number
Gulf NFRC F	Phase 3			W-GOL-311
Impact or Mitigation		Assessment conducted by:	Assessmen	
Impact of Miligation Impact (Cle	earing)	M. Harrington	A356351161	4/16/2019
F	5)	.		
Scoring Guidance	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of suppo wetland/surface wat 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 (sy roads; b) Invasive exotic sp = 6 (reduced to proximity of rownstream flow somewhat limit	ss of contiguous foreste Support to wildlife listed becies = 7 (minimal cove 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 erage 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 Environment (n/a for uplands) w/o pres or current with 7 7 7	freshwater marsh, although water levels and flows = 7 (i roadway); 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 7 (consistent with expected); duses); e) evidence of fire his h expected); g) hydrologic stre hydrological requirements = r quality degradation = 7 (con hoff); K) existing water quality	rary turbidity impacts. In) water level indicators = d) soil erosion or depository = 7 (consistent with ess on vegetation = 7 (c 7 (consistent with expected); jj	erting forested system to a ndividual parameter scores: a) = 7 (altered hydroperiod due to to sition = 7 (some existing erosion expected); f) vegetation community onsistent with expected); h) use by ted); i) vegetative species tolerant) direct observation of water quality oth 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 e woody debris, snag, den, ar	eter scores: a) plant com expected, groundcover so sance species); c) regen a & size distribution = 7 (and cavity = 7 (consistent ces = 6, h) topographic f	significant loss of functional value imunity species in the canopy, imewhat lacking); b) invasive eration and recruitment = 7 typical of forested wetland); e) with expected); f) plant condition = eatures = 7, ; i) siltation or algal
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres 0.67	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		assessment areas delta x acres =
	If mitigation			
			For mitigation	n assessment areas
Delta = [with-current]	Time lag (t-factor) =		For mitigatio	n assessment areas

Site/Project Name		Application Number	er		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	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	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 veetbay, Americar , Florida anise, ar	th occurrences of hornbeam, and s ad 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 highway, other 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 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		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 P	hase 3	w		W-GOL-312		
Impact or Mitigation		Assessment conducted by:	Assessment da	te:		
Impact (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 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 wate functions		
.500(6)(a) Location and Landscape Support v/o pres or	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 pecies = 7 (minimal coverag oads); d) functions that bene red by roads and ditching; e) ologically connected areas of	arcels and conversion to Part 1 by outside habitats = 6 e of Lygodium); c) Wildlife efit fish & wildlife downstream- Impacts to wildlife listed in Par lownstream of assessment area		
.500(6)(b)Water Environment (n/a for uplands) v/o pres or	freshwater marsh, although water levels and flows = 7 (i 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. Indiv) water level indicators = 7 (d) soil erosion or depositior tory = 7 (consistent with exp ess on vegetation = 7 (consi 7 (consistent with expected) isistent with expected); j) diri	dual parameter scores: a) altered hydroperiod due to to n = 7 (some existing erosion ected); f) vegetation communit stent with expected); h) use by ; i) vegetative species tolerant ect observation of water quality		
 Vegetation and/or Benthic Community 	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) regenerate a & size distribution = 7 (typic and cavity = 7 (consistent with ces = 6, h) topographic featu	what 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 with 0.67 0.46667	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		essment areas x acres =		
Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigation as	ssessment areas		

Site/Project Name		Application Number		oo Namo or Numbor		
		Application Number	Assessment Ar	Assessment Area Name or Number		
Gulf NFRC F	Phase 3	W-GC		W-GOL-312		
Impact or Mitigation		Assessment conducted by:	Assessment da	te:		
Impact (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 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	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 p Support to wildlife listed in l becies = 7 (minimal coverag bads); d) functions that ben ed by roads and ditching; e blogically 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 Part downstream of assessment area		
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with 7	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	h expected); g) hydrologic stre hydrological requirements = r quality degradation = 7 (con hoff); K) existing water quality	rary turbidity impacts. Indiv) water level indicators = 7 d) soil erosion or depositio 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 n = 7 (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	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)	will convert the system to a freshwater marsh community with significant loss of functional v ng forested system. Individual parameter scores: a) plant community species in the canopy, tratum = 7 (generally consistent eith expected, groundcover somewhat lacking); b) invasive rasive plant species = 8 (very little nuisance species); c) regeneration and recruitment = 7 opy species somewhat lacking; d) age & size distribution = 7 (typical of forested wetland); e) of coarse woody debris, snag, den, and cavity = 7 (consistent with expected); f) plant conditi expected); g) land management practices = 6, h) topographic features = 7, ; i) siltation or alga ed aquatic plant communities = 8 (very minor).				
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 = delta	a x acres =		
pr w/o pres with	Adjusted mitigation de	elta =	FL: 0.005 ac.	x 0.67 = 0.003		
0.07						
	If mitigation					
F			For mitigation a	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =		For mitigation a	ssessment areas		

Site/Project Name Application Numb			ber Assessment Area Name or Number			
Gulf NFRC Pha	se 3				W-GO	L-313A
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	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 veetbay, Americar , Florida anise, ar	th occurrences of hornbeam, and s ad 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			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 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	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	Phase 3			W-GOL-313A		
Impact or Mitigation		Assessment conducted by:	Accessment de			
Impact or Mitigation Impact (C	learing)	Assessment conducted by: M. Harrington	Assessment da	te: 4/16/2019		
	icaning)	W. Harnigton		4/10/2013		
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. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in F becies = 8 (minimal coverag bads); d) functions that bene ed by roads and ditching; e) blogically connected areas c	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 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 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta 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	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 7 3	Clearing of canopy will conv 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 commu er invasive plant species = ected); d) age & size distribu snag, den, and cavity = 6; f)	7, (very little nuisance species); ition = 7, (typical of forested plant condition = 8, ; g) land		
Score = sum of above scores/30 (i uplands, divide by 20) (i uplands, divide by 20) current (i uplands, divide by 20) or w/o pres with 0.70 0.5	f Preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		essment areas		
	If mitigation					
			For mitigation as	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =					

Site/Project Name Application Numb			er	A	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						
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	on (i.e.Of	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, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cinn	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
Silvicultural operations, roadways			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious 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	A	Assessment Area Name or Number			
	Gi	ulf NFRC F	Phase 3			W-GOL-314		
Impact or Mitigation			Assessment conducted by: Assessm					
impact of	-	mpact (Cle	earing)	M. Harrington		ssessment date	4/16/2019	
		inpaint (en					.,	
	ng Guidance		Optimal (10)	Moderate(7)	Mini	mal (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	wetland/s	el of support of urface water ctions	Condition is insuffici provide wetland/surfac functions	
.500(6)(a) Location and Landscape Support w/o pres or current with 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 transfer of wetland forests through line dividual parameter scores: a usy roads; b) Invasive exotic sign = 6 (reduced to proximity of pownstream flow somewhat lime (adjacent to highway); f) Hyd wnstream areas on assessment	loss of contigue a) Support to wi species = 8 (mi roads); d) func nited by roads a drologically 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 habitats of Lygodium); c) Wildl fit fish & wildlife downst Impacts to wildlife listed ownstream of assessme	s = 6 ife ream- d in Part ent area
· · ·	(b)Water Envir n/a for uplands or		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 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 c of and associated with water () existing water quality data =	oorary turbidity i tors = 8, (consi e 6, (existing ero nunity zonation pecies with spe- r quality degrad	mpacts. Individ stent with expen- osion from road = 7 (typical for cific hydrologica lation = 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
1.	(c)Community Vegetation and Benthic Commu	d/or	compared to existing forest shrub, or ground stratum = c) regeneration and recruit wetland); e) density and qu	vert the system to a freshwat ted system. Individual param 7, ; b) invasive exotics or ot ment = 7, (consistent with exp ality of coarse woody debris, , h) topographic features = 7, or.	neter scores: a) ther invasive pl pected); d) age , snag, den, and	plant commun ant species = 7 & size distribut d cavity = 6; f) p	ity species in the canop , (very little nuisance sp tion = 7, (typical of fores plant condition = 8, ; g)	oy, becies); sted land
upl current	um of above sco lands, divide by s		If preservation as mit Preservation adjustm Adjusted mitigation d	ient factor =		For impact asse FL = delta		
or w/o pre 0.70			4					
•			If mitigation		Fo	or mitigation as	sessment areas	
0.70	lta = [with-curr		If mitigation Time lag (t-factor) =			or mitigation as: delta/(t-factor x		

Site/Droject Nome		Application Number	Accomment Arr	o Nomo or Number		
Site/Project Name		Application Number	Assessment Are	Assessment Area Name or Number		
Gulf NFRC P	Phase 3			W-GOL-314		
Impact or Mitigation		Assessment conducted by:	Assessment dat	e:		
Impact (F	Fill)	M. Harrington		4/16/2019		
			Ļ			
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 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 = 7 (wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in P becies = 8 (minimal coverag bads); d) functions that bene ed by roads and ditching; e) blogically connected areas d	rcels and conversion to Part 1 by outside habitats = 6 e of Lygodium); c) Wildlife of ti 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 0	freshwater marsh, although water levels and flows = 8 (r consistent with expected; d) evidence of fire history = 7 (hydrologic stress on vegetative species tolerant of		rary turbidity impacts. Indivi ors = 8, (consistent with expects, (existing erosion from road unity zonation = 7 (typical for ecies with specific hydrologic quality degradation = 7; j) dir	dual parameter scores: a) ected); c) soil moisture = 7, lway, adjacent landuses); e) forested wetland); g)		
.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 = c) regeneration and recruitm wetland); e) density and qua	ed system. Individual parame 7, ; b) invasive exotics or oth hent = 7, (consistent with expe ality of coarse woody debris, s h) topographic features = 7, ;	eter scores: a) plant communer invasive plant species = 7 ected); d) age & size distributions ag, den, and cavity = 6; f)	7, (very little nuisance species); tion = 7, (typical of forested 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	If preservation as mitig Preservation adjustme Adjusted mitigation de	ent factor =	For impact ass FL = delta FL: 0.005 ac. 3	x acres =		
	If mitigation					
Delta = [with-current]	Time lag (t-factor) =		For mitigation as	sessment areas		
1						

Site/Project Name Application Numb			er	/	Assessment Area Name	or Number	
Gulf NFRC Pha	se 3				W-GC	DL-315	
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.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, wi veetbay, Americar , 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 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	
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 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 NFRC	Phase 3			W-GOL-315		
	r hase 5					
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 o 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. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	wnstream flow somewhat limit	ss of contiguous forested p Support to wildlife listed in l pecies = 8 (minimal coverag oads); d) functions that ben ted by roads and ditching; e ologically 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)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		arary turbidity impacts. Indiv ors = 8, (consistent with exp β , (existing erosion from roa unity zonation = 7 (typical fo becies with specific hydrologie 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)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 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 commu ler 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 scores/30 (i uplands, divide by 20) current pr w/o pres with 0.70 0.5	f Preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		sessment areas a x acres =		
	If mitigation		For mitigation a	seesment areas		
Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigation a	ssessment areas		

Site/Project Name Application Numb			er	1	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						
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.O	FW, AP, other local/state/federa	al 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	/ 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, wi veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	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
Silvicultural operations, roadways			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)				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 NFRC	Phase 3			W-GOL-316		
	r nase 5					
Impact or Mitigation		Assessment conducted by:	Assessment da			
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 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 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	wnstream flow somewhat limit	ass of contiguous forested p Support to wildlife listed in l pecies = 8 (minimal coverag oads); d) functions that ben 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 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. Indiverse 8, (consistent with exp 6, (existing erosion from roa unity zonation = 7 (typical fo eccies with specific hydrologie 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)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 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 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 scores/30 (if uplands, divide by 20) (if uplands, divide by 20) current with 0.70 0.5	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		sessment areas a x acres =		
	If mitigation		For mitigation a	ssessment areas		
Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigation a	ssessment areas		

Site/Project Name Application Number			ber Assessment Area Name or Number				
Gulf NFRC Pha	ise 3				W-GO	L-317B	
FLUCCs code	Further classification	ation (optional)		Impact or Mitigation Site? Assessment Ar			
630				Existing 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)	
Ochlockonee River							
Geographic relationship to and hydrogeneity of the second se	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	3.			
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, 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 f	loblolly pine along th m. The shrub stratum groundcover compri ern, blackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		g the relative rarity in	relation to the	
Interstate highway			Not rare in relation to regional landscape				
Functions			Mitigation for pre	evious pe	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)				T, SSC)	Listed Species (List s), 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 track	s, 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-317B		
	r nase 5					
Impact or Mitigation		Assessment conducted by:	Assessment da			
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	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 access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in I pecies = 8 (minimal coverage 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 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) 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		arary turbidity impacts. Indiv ors = 8, (consistent with exp δ , (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 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 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 commu ler 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 scores/30 (il uplands, divide by 20) (il uplands, divide by 20) current with 0.70 0.5	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		sessment areas a x acres =		
	If mitigation					
	ii muyauon		For mitigation of	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =		For mitigation a	ssessment areas		

Site/Project Name Application Number			ber Assessment Area Name or Number				
Gulf NFRC Pha	ise 3				W-GO	L-318B	
FLUCCs code	Further classification	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size	
630				Existing 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)	
Ochlockonee River							
Geographic relationship to and hyder	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>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 palme oweyed grass, cinn	planted sweetgu etto. The namon	d loblolly pine along th im. The shrub stratum e groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		ig the relative ranty 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 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		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 tracl	ks, droppings, casings	s, nests, etc.):	
Additional relevant factors:							
Assessment conducted by:			Assessment date	e(s):			
M. Harrington/M. Goff		4/16/2019					

Guilt NFRC Phase 3 W-GOL-318B Impact or Mitigation Impact or Mitigation Impact or Mitigation Impact or Mitigation Indicator is based on what would be suitable for the type of vetland or undicator is based on what would be suitable tor the type of vetland or undicator is based on wetland/undice with for mitigation and optimal. Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape support variable for wetland for wetland for sets through loss of conversion to matche water assessed Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape support variable for wetland for sets through loss of conversion to indicator water assessed 5000(s)(Location and Landscape support unctions Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape support variable for wetland for sets through loss of conversion to the duced by proximity of bury reads; b) invasive exotic species = 2 (minimal coverage land onversion to the duced by proximity of bury reads; b) invasive exotic species = 2 (minimal coverage land conversion to transformed to uside = 6 (downstream flow somewhat limited by roads and diching; e) hugges to widitelia ted in Part 5 = 7, (2) Dependency of downstream areas on assessment area = 6 (downstream areas somewhat dependent). .500(6)(b)(Water Environmet (r/rat for uplands) Clearing the canopy will temporarily impact the water anvironment variable, converting forested system to a freshwater mash, although all fending will requice temporary turididy impacts. Individual parameter scores: a) parent lows on vegetation = 7, (b) water level individue = 8, (consciont or dopastion = 7, (consciont or dopaston for the caver, water energy, currents and light eremen	Site/Project Name		Application Number	Asses	sment Are	a Name or Number
Impact or Mitigation Assessment conducted by: M. Harrington Assessment date: 4/16/2019 Scoring Guidance The scoring of each infactor is based on what would be suitable to he type of weather surface water duals of the type of the type of the surface water duals of the type of the type of the surface water duals of the type of the surface water duals of the surface water duals of the type of the surface water duals dualsurface water duals of the surface water duals of t	Gulf NFRC F	Phase 3				W-GOL-318B
Impact (Clearing) M. Harrington 4/16/2019 Scoring Guidance The scoring of each indicator is based on what would be suitable tor he type of welland or surface water assessed Optimal (10) Moderate(7) Minimal (4) Not Present (0) Condition is optimal and full supports 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 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 landscape support variable for wetland foress through loss of contigues forested parcels and conversion to herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1by outside habites = 6 (downstream flow somewhat limited by coast and diching; e) Impacts wetlaw and diching; e) Impacts wetlaw distance or barring. The downstream flow somewhat limited by coast and distance or barring. Individual parameter scores: a) to youtside land uses = 7 (dajacent to highway); f) Hydrologically connected areas downstream of assessment area flow of the scores of downstream reass on vegetation = 7; h) use by animal sections with parcels to wild flow flows of the parcel version of downstream reass on vegetation = 7; h) use by animal sections with parcels to hydrologic areas on vegetation = 7; h) use by animal sections with parcels to hydrologic areas on vegetation = 7; h) use by animal sections with parcels to hydrologic areas on vegetation = 7; h) use by animal sections with parameter scores:				nont conducted by: Accessment data:		
Scoring Guidance Indicator is based on indicator is based on indicator is based on indicator is based on to the type of welland or sufficient is sufficient to the type of welland or sufficient to support Minimal (4) Not Present (0) 5000(6)(a) Location and Landscape Support Condition is issufficient to methad/sufficient to methad/sufficient to welland/sufficient to methad/sufficient to welland/sufficient to methad/sufficient to the type of compositient (roduced to provinity of rodas) (i) functions that benefit fink sufficient to the volatise health is sufficient to methad/sufficient to sufficient to sufficient to methad/sufficient to sufficient to suffici	, ,	varing)	,	,		
The scoring of each indicator is based on what would be suitable for the type of wetland outdate water is uncloses 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 variable for wetland furnasive acritic species = 3 (Support to wolfalle isstel in Part 1 by outside labels a form wetland/surface water functions Condition is insufficient to provide wetland/surface water functions .500(6)(a) Location and Landscape support variable for wetland forests through loss of conguous forested parcels and conversion to heraceous community. Individual parameter scores: a) Support to unclose = 16 (indicate of parcels and conversion to heraceous community. Individual parameter scores: a) Support to unclose = 16 (indicate of parcels and conversion to heraceous community. Individual parameter scores: a) Support to unclose = 16 (indicate of parcels and conversion to heraceous community. Individual parameter scores: a) Support to unclose = 16 (indicate of parcels and conversion to heraceous community. Individual parameter scores: a) Support to unclose = 16 (indicate of parcels and conversion to heraceous community. Individual parameter scores: a) Support to unclose = 16 (indicate of parcels and conversion to heraceous community. Individual parameter scores: a) Support to unclose = 16 (indicate of parcels and conversion to heraceous community and the hydrodicate parcels and conversion of theraceous community and the hydrodicate of parcels and conversion of theraceous community and the hydrodicate conversion of theraceous community and theraceous c	impact (Ole	anny)	W. Harrington			4/10/2013
indicator is based on fully supports what would be suitable for the type of vertiand or surface water assessed Condition is insufficient to maintain more supports water duration is insufficient to maintain more water durations Minimal level of support of wetlend/surface water functions Condition is insufficient to wetlend/surface water functions .500(6)(a) Location and Landscape Support Loss of cancey species associated with clearing the transmission line ROW would reduce the location and landscape support water wetland forest through loss of contiguous forested parcels and conversion to herbaceous community, Individual parameter scores: a) Support to wildle letter in Part 1 by outside habitats = 6 (reduced by proximity of busy reads: b) finasite works works and ditching; e) Impacts to wildle listed in Part is upostable = 6 (reduced to proximity of busy reads: b) functions areas somewhat dependent). .500(6)(b)(Water Environment (n/a for uplands) Clearing the cancey will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts to willife insider = 7, on water levels and flows = 8 (normal); 1) segetation community zontains = 7 (typical for forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts in will be entities = 7, 1) wegetative species betterart of ad associated with water quality degradation = 7, () used reduced betweet on vater qualit = 6, receives read runoff; () existing water quality data = N/A; () water depth wave, wave energy, currents and light privation is insufficient to = with 0, or gooing stratum = 7, () bisesting water quality data = N/A; () water depth wave, wave energy, currents and light pointration = N/A. You foresid yuphons, divide by 20)		Optimal (10)		Minimal	(4)	Not Present (0)
S000(6)(a) Location and Landscape Support Iandscape support variable for wetland forests through loss of confugues forested parcels and conversion to herbaceous community. Individual parameter scores: a) Support to wildfile infants to voltishe habitats = 6 (reduced by proximity of busy roads; b) Invasive exotic species = 8 (minimal coverage of Lygodium; c) Wildfile access to and from outside = 6 (reduced to proximity of roads); d) functions that benefit fish & Wildfile downstream- distance or barriers = 7 (downstream flow somewhat limited by roads and diching; e) Impacts to wildfile listed in Fa- to voltable land uses = 7 (g) Captendency of downstream areas on assessment area = 6 (downstream areas downstream of assessment area = 7; g) Dependency of downstream areas on assessment area = 6 (downstream areas downstream of assessment area (n'a for uplands) .500(6)(b)(Water Environment (n'a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system to a frestwater marsh, although silf 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) o iol moisture = 7, consistent with expected; d) soil erosion or deposition = 6, (existing ensoin form canady, adjacent landuses); e) evidence of fine history = 7, (normal; b) water level indicators = 8, (consistent with expected; c) o iol moisture = 7, iol protoster count with expected; d) soil erosion or deposition = 7, (consistent with expected); d) adjactation = 7, (p) licet Observation of water qualit e 6, receives road runoff. K) existing water quality data = N/A; i) water depth wave, wave energy, currents and light eurrent 7 7 1. Vegetation and/or 2. Berthic Community worpres or current [f preservation as mil	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/surfac	e water	provide wetland/surface water
.500(6)(b)Water Environment (n/a for uplands) freshwater marsh, atthough ailt 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); e) evidence of fire history = 7 (normal); f) vegetation community zonation = 7 (typical for forested wetland); g) hydrologic stress or vegetation = 7; h) use by animal species with specific hydrological reguinements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of water qualit e 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, currents and light 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 functional value compared to existing forested system. Individual parameter scores: a) plant community species in the canopy, shrub, or ground stratum = 7, (consistent with expected); d) age & size distribution = 7, (typical forested wetland); e) density and quality of coarse woody debris, snag, den, and cavity = 6; f) plant comtion = 8, ; g) land management practices = 6, h) topographic features = 7, ; i) siltation 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 mitigation delta = For impact assessment areas FL = delta x acres = Delta = [with-current] If mitigation delta = For mitigation assessment a	Landscape Support w/o pres or current with	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 (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) Hydro	ss of contiguous for Support to wildlife becies = 8 (minima bads); d) functions ed by roads and co bologically connected	orested par listed in P al coverage s that bene litching; e) ed 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 Par ownstream of assessment area
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 = 7, ; b) invasive exotics or other invasive plant species = 7, (very little nuisance species); c) regeneration and recruitment = 7, (consistent with expected); d) age & size distribution = 7, (typical of forested wetland); e) density and quality of coarse woody debris, snag, den, and cavity = 6; f) plant condition = 8, ; g) land management practices = 6, h) topographic features = 7, ; i) siltation 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 mitigation delta = 0.70 0.5 Delta = [with-current] If mitigation	(n/a for uplands) w/o pres or current with	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 = 6, receives road runoff. K)	silt fencing will reduce tempo normal; b) water level indicato o soil erosion or deposition = 6 (normal); f) vegetation commu- tion = 7; h) use by animal spe of and associated with water	rary turbidity impa ors = 8, (consisten 6, (existing erosior unity zonation = 7 ecies with specific quality degradation	cts. Individ t with expe from road (typical for hydrologica n = 7; j) dir	dual parameter scores: a) cted); c) soil moisture = 7, way, adjacent landuses); e) forested wetland); g) al requirements = 7; i) ect observation of water quality
uplands, divide by 20) Preservation adjustment factor = current Preservation adjustment factor = br w/o pres with 0.70 0.5 If mitigation For mitigation 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 foreste shrub, or ground stratum = c) regeneration and recruitn wetland); e) density and qua management practices = 6,	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) plar er invasive plant s ected); d) age & si snag, den, and cav	nt commun species = 7 ze distribut vity = 6; f) p	ity species in the canopy, , (very little nuisance species); tion = 7, (typical of forested plant condition = 8, ; g) land
Delta = [with-current] Time lag (t-factor) =	uplands, divide by 20) current or w/o pres with	Preservation adjustme	ent factor =			
Delta = [with-current] Time lag (t-factor) =		If mitigation		E	tinatic	
PEC = dolta/(t factor x risk)	Delta = [with-current]	1		For mi	ugation as	sessment areas
-0.20 Risk factor = RFG = delta/(t-factor x risk) =	-0.20	Risk factor =		RFG = delta	a/(t-factor x	(risk) =

Site/Project Name		Application Number	er	A	ssessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GO	L-319B
FLUCCs code	Further classification	ation (optional)		Impact o	or Mitigation Site?	Assessment Area Size
630				Ex	sisting 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)
Ochlockonee River						
Geographic relationship to and hydrogeneity of the second se	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	3.		
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, 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 f	loblolly pine along th m. The shrub stratum groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ig the relative failty in	
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)	Listed Species (List s), type of use, and inte	
Wading bir	rds, herpetofauna			i), little bl	e by wading birds suc lue heron (SSC), sno ricolor heron (SSC).	h as white ibis (SSC), wy egret (SSC), and
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as track	s, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date 4/16/2019	e(s):		
M. Harrington/M. Goff	gton/M. Goff					

Site/Project Name		Application Number	Assessment Ar	ea Name or Number
, Gulf NFRC	Phase 3			W-GOL-319B
	1 11030 0			
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		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 access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in I pecies = 8 (minimal coverage 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 le of Lygodium); c) Wildlife efit fish & wildlife downstream- I 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		arary turbidity impacts. Indiv ors = 8, (consistent with exp δ , (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 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 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 commu ler 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 scores/30 (i uplands, divide by 20) current or w/o pres 0.70	f Preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		essment areas a x acres =
	If mitigation			
	Jene			seesment areas
Delta = [with-current]	Time lag (t-factor) =		For mitigation as	ssessment areas

Site/Project Name		Application Number	er	ŀ	Assessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GC	DL-320
FLUCCs code	Further classification	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	al 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>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 palme oweyed grass, cine	planteesweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum le groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative ranty in	
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	rds, herpetofauna), little l	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	Assessment Ar	ea Name or Number
Gulf NFRC	Phase 3			W-GOL-320
		Assessment conducted by:	Assessment de	
Impact or Mitigation Impact (Cl	earing)	Assessment conducted by: M. Harrington	Assessment da	4/16/2019
	camig	Wi. Harnington		4,10,2013
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. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7	wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in I pecies = 8 (minimal coverage 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 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) 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		arary turbidity impacts. Indiv ors = 8, (consistent with exp β , (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 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 qu	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 er 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 scores/30 (if uplands, divide by 20) (if uplands, divide by 20) current with 0.70 0.5	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		sessment areas a x acres =
	If mitigation			
Delta = [with-current]	Time lag (t-factor) =		For mitigation as	ssessment areas

Site/Project Name		Application Number	er	A	ssessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GO	L-321A
FLUCCs code	Further classifica	ation (optional)		Impact of	or Mitigation Site?	Assessment Area Size
630				E×	sisting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	assification (i.e.OFW, AP, other local/state/federal designation of importance)		
Ochlockonee River						
Geographic relationship to and hydrogeneity of the second se	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 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, 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, cine	f planted sweetgu etto. The namon f	loblolly pine along th m. The shrub stratum groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ig the relative ranty in	relation to the
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for pre	evious pe	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)				T, SSC)	Listed Species (List s), type of use, and inte	
Wading bir	rds, herpetofauna), little b	e by wading birds suc lue heron (SSC), sno ricolor heron (SSC).	h as white ibis (SSC), wy egret (SSC), and
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as track	s, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date 4/16/2019	e(s):		
M. Harrington/M. Goff	rrington/M. Goff					

1 · · · · · · · · · · · · · · · · · · ·			Application Number		Assessment Are	a Name or Number
Gulf N	IFRC Phas	se 3				W-GOL-321A
			Appapament conducted by:			
Impact or Mitigation	act (Clearir	20)	Assessment conducted by: M. Harrington		Assessment date	e: 4/16/2019
inipa		ig)	M. Harnington			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		Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	timal, but sufficient to maintain most wetland/surface durations Minimal level of support of wetland/surface water functions		Condition is insufficient to provide wetland/surface wate functions
.500(6)(a) Location ar Landscape Support w/o pres or current 8	d lan hei (re out 7 (with use	Adscape support variable rbaceous community. Ind duced by proximity of bus tside = 7 (reduced to prov downstream flow somew es = 7 (adjacent to highw	hat limited by roads and ditch	ss of contigu Support to v pecies = 10 that benefit fi ing; e) Impaced areas dow	ious forested par vildlife listed in Pa (no coverage); c) sh & wildlife dow cts to wildlife liste wnstream of asse	rcels and conversion to art 1 by outside habitats = 7 Wildlife access to and from nstream-distance or barriers = ed in Part 1 by outside land essment area = 9 (no barriers)
.500(6)(b)Water Environi (n/a for uplands) w/o pres or current	nent fre: wa cor froi (co rec obs	shwater marsh, although ter levels and flows = 8 (nsistent with expected; d) m roadway, adjacent land onsisten with expected; g) quirements = 8; i) vegetat served); j) direct observa	nporarily impact the water env silt fencing will reduce tempo (normal); b) water level indica) soil erosion or deposition = ⁻ duses); e) evidence of fire his) hydrologic stress on vegetal ive species tolerant of and as tion of water quality = 8 (wate ergy, currents and light penet	prary turbidity tors = 8 (cor 7, (erosion dr tory = 8 (nor tion = 8; h) u ssociated wit er appears no	r impacts. Individual asistent with experi- uring clearing, co- mal); f) vegetation se by animal sper- h water quality de- prmal). K) existing	tual parameter scores: a) ected); c) soil moisture = 8, pupled with existing erosion on community zonation = 8 ecies with specific hydrological egradation = 9 (none
· · · · · ·						
.500(6)(c)Community stru 1. Vegetation and/or 2. Benthic Communit w/o pres or current 8	Cle cor shr y c) qua	mpared to existing forest rub, or ground stratum = regeneration and recruitn ality of coarse woody deb	ed system. Individual parame 8, ; b) invasive exotics or oth nent = 8; d) age & size distrib	eter scores: a ner invasive p ution = 9, (ty '; f) plant cor	a) plant communi plant species = 8 pical of forested idition = 4, ; g) la	(very little nuisance species); wetland); e) density and nd management practices = 7
 Vegetation and/oi Benthic Communit w/o pres or current 8 Score = sum of above scores: uplands, divide by 20) current pr w/o pres 	Cle cor shr y c) r qu h) t 3	mpared to existing forest rub, or ground stratum = regeneration and recruitn ality of coarse woody deb	ed system. Individual parame 8, ; b) invasive exotics or oth nent = 8; d) age & size distrib oris, snag, den, and cavity = 7 ; i) siltation or algal growth ir gation, ent factor =	eter scores: a ner invasive p ution = 9, (ty '; f) plant cor	a) plant communi plant species = 8 pical of forested idition = 4, ; g) la	ity species in the canopy, (very little nuisance species); wetland); e) density and nd management practices = 7 mmunities = 8 very minor.
 Vegetation and/oi Benthic Communit w/o pres or current 8 Score = sum of above scores: uplands, divide by 20) current pr w/o pres 	V Cle cor shr c) i qua h) f 3 (30 (if with	mpared to existing forester rub, or ground stratum = regeneration and recruitn ality of coarse woody deb topographic features = 7, If preservation as miti- Preservation adjustme	ed system. Individual parame 8, ; b) invasive exotics or oth nent = 8; d) age & size distrib oris, snag, den, and cavity = 7 ; i) siltation or algal growth ir gation, ent factor =	eter scores: a her invasive p ution = 9, (ty '; f) plant cor n submerged	a) plant communi blant species = 8 pical of forested adition = 4, ; g) la aquatic plant con For impact asse FL = delta	ity species in the canopy, (very little nuisance species); wetland); e) density and nd management practices = 7 mmunities = 8 very minor.
 Vegetation and/oi Benthic Communit w/o pres or current 8 Score = sum of above scores: uplands, divide by 20) current pr w/o pres 	Cle y c) y	mpared to existing forester rub, or ground stratum = regeneration and recruitn ality of coarse woody deb topographic features = 7, If preservation as miti- Preservation adjustme Adjusted mitigation de	ed system. Individual parame 8, ; b) invasive exotics or oth nent = 8; d) age & size distrib oris, snag, den, and cavity = 7 ; i) siltation or algal growth ir gation, ent factor =	eter scores: a her invasive p ution = 9, (ty '; f) plant cor n submerged	a) plant communi blant species = 8 pical of forested adition = 4, ; g) la aquatic plant con For impact asse	ity species in the canopy, (very little nuisance species); wetland); e) density and nd management practices = 7 mmunities = 8 very minor.

Site/Project Name			Application Number		Assessment Are	a Name or Number	
				ŕ			
G	ulf NFRC F	Phase 3				W-GOL-321A	
Impact or Mitigation			Assessment conducted by:	ssessment conducted by: Assessment date:			
	Impact (Fill)	M. Harrington			4/16/2019	
Scoring Guidance		Optimal (10)	Moderate(7)	Min	imal (4)	Not Present (0)	
The scoring of each	1	Condition is optimal and	Condition is less than	IVIII		Not i resent (0)	
indicator is based on what would be suitabl		fully supports	optimal, but sufficient to maintain most		el of support of surface water	Condition is insufficient to provide wetland/surface wa	
for the type of wetland		wetland/surface water functions	wetland/surface		nctions	functions	ater
surface water assesse	ed		waterfunctions				
.500(6)(a) Locatio Landscape Sup w/o pres or current 8		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	sociated with clearing the tran- 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 ditch (ay); f) Hydrologically connect am areas on assessment are	ss of contigu Support to w pecies = 10 (that benefit fishing; e) Impace ed areas dow	ious forested par vildlife listed in Pa (no coverage); c) sh & wildlife dow cts to wildlife liste vnstream of asse	rcels and conversion to art 1 by outside habitats = 7 Wildlife access to and from nstream-distance or barriers ad in Part 1 by outside land assment area = 9 (no barrier	m rs =
.500(6)(b)Water Envi (n/a for upland w/o pres or current 8		freshwater marsh, although water levels and flows = 8 consistent with expected; d from roadway, adjacent lan (consisten with expected; g requirements = 8; i) vegeta observed); j) direct observa	nporarily impact the water env 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 tion of water quality = 8 (wate ergy, currents and light penet	prary turbidity tors = 8 (con 7, (erosion du tory = 8 (norn tion = 8; h) us associated with er appears no	impacts. Individual sistent with expe- uring clearing, co- mal); f) vegetations by animal spe- n water quality do- urmal). K) existing	Jual parameter scores: a) ected); c) soil moisture = 8, pupled with existing erosion on community zonation = 8 incies with specific hydrologic egradation = 9 (none	cal
.500(6)(c)Community	structure						
 Vegetation ar Benthic Comm w/o pres or current 8 		compared to existing forest shrub, or ground stratum = c) regeneration and recruitr quality of coarse woody det	vert the system to a freshwate ed system. Individual parame 8, ; b) invasive exotics or oth nent = 8; d) age & size distrib pris, snag, den, and cavity = 7 , ; i) siltation or algal growth in	eter scores: a ner invasive p ution = 9, (typ '; f) plant con	a) plant communi plant species = 8 pical of forested dition = 4, ; g) la	ity species in the canopy, (very little nuisance species wetland); e) density and nd management practices =	es);
Score = sum of above sc		If preservation as miti	gation,		For impact asse		
uplands, divide by current	/ 20)	Preservation adjustme	ent factor =		FL = delta	x acres =	
pr w/o pres	with 0	Adjusted mitigation de	elta =		FL: 0.015 ac. x	0.80 = 0.012	
3.00	Ŭ]	-			-	
		If mitigation		F	For mitigation ass	sessment areas	
Delta = [with-cur	rent]	Time lag (t-factor) =			<u> </u>		
-0.80		Risk factor =		RFG =	= delta/(t-factor x	risk) =	
		J L					

Site/Project Name		Application Number	er	A	ssessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GO	L-322B
FLUCCs code	Further classification	ation (optional)		Impact of	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)
Ochlockonee River						
Geographic relationship to and hydrogeneity of the second se	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>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, cinn	planted sweetgu etto. The namon f	d loblolly pine along th im. The shrub stratum e groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ig the relative ranty 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 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).	h as white ibis (SSC), wy egret (SSC), and
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 4/16/2019	e(s):		
M. Harrington/M. Goff	1. Harrington/M. Goff					

Site/Project Name		Application Number	Assessment Ar	ea Name or Number	
Gulf NFRC	Phase 3			W-GOL-322B	
	r nase 5				
Impact or Mitigation		Assessment conducted by:	,		
Impact (C	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	Condition is less than optimal, but sufficient to maintain most wetland/surface during 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	wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in I pecies = 8 (minimal coverage 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 le of Lygodium); c) Wildlife efit fish & wildlife downstream- I 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		arary turbidity impacts. Indiv ors = 8, (consistent with exp δ , (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 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 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 commu ler 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 scores/30 (i uplands, divide by 20) current or w/o pres 0.70	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		essment areas a x acres =	
	If mitigation				
			For mitigation of	seesement areas	
Delta = [with-current]	Time lag (t-factor) =		For mitigation as	ssessment areas	

Site/Project Name		Application Number	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GC	DL-323
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	assification (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	/ 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, wi veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative ranty in	
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	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 4/16/2019	e(s):		
M. Harrington/M. Goff	Harrington/M. Goff					

Site/Project Name		Application Number	Assessment Ar	ea Name or Number	
Gulf NFRC P	nase 3		W-GOL-323		
Impact or Mitigation		Assessment conducted by:	Assessment da	te:	
Impact (Cle	aring)	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	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 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 (wnstream flow somewhat limit	ss of contiguous forested p Support to wildlife listed in l becies = 8 (minimal coverag bads); d) functions that ben ed by roads and ditching; e bologically connected areas of	arcels and conversion to Part 1 by outside habitats = 6 le of Lygodium); c) Wildlife efit fish & wildlife downstream- I 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 (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 exp β , (existing erosion from roa unity zonation = 7 (typical fo ecies with specific hydrologie 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)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 recruitm wetland); e) density and qua	ed system. Individual parame 7, ; b) invasive exotics or oth hent = 7, (consistent with exp ality of coarse woody debris, s h) topographic features = 7, ;	eter scores: a) plant commu er invasive plant species = ected); d) age & size distribu mag, 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 (if	If preservation as mitig	gation,		sessment areas	
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = delta	a x acres =	
pr w/o pres with	Adjusted mitigation de				
0.70 0.5	Aujusteu miliyalion de				
	If mitigation		For mitigation a	ssessment areas	
Delta = [with-current]	Time lag (t-factor) =				
			RFG = delta/(t-factor	v rick) –	

Site/Project Name		Application Number	er	/	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GC	DL-324
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630					xisting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of imp			
Ochlockonee 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>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	plante sweetgi etto. Th namon	d loblolly pine along th um. The shrub stratum le groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng me relative ranty in	relation to the
Interstate highway			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)				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	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
			7.0000011011771	
Gulf NFRC P	hase 3			W-GOL-324
Impact or Mitigation		Assessment conducted by: Assessment date:		
Impact (Cle	aring)	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 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 (wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in F becies = 8 (minimal coverag bads); d) functions that ben ed by roads and ditching; ej blogically 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) 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		rary turbidity impacts. Indiv ors = 8, (consistent with expo 6, (existing erosion from road unity zonation = 7 (typical fo ecies 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 structure	0 17	vert the system to a freshwate	, ,	nificant loss of functional value
1. Vegetation and/or 2. Benthic Community w/o pres or current with 7 3	shrub, or ground stratum = c) regeneration and recruitn wetland); e) density and qua	7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, s h) topographic features = 7, ;	er 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 scores/30 (if uplands, divide by 20)	If preservation as miti	-		sessment areas
current	Preservation adjustme	ent factor =		
pr w/o pres with	Adjusted mitigation de	elta =		
0.70 0.5				
I	If mitigation			
	If mitigation		For mitigation as	seesement areas
Delta = [with-current]	Time lag (t-factor) =			

Site/Project Name		Application Number	er	ŀ	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-325B
FLUCCs code	Further classification	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630		Existing Condition			xisting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of imp			
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, wi veetbay, Americar , Florida anise, ar	th occurrences of hornbeam, and s ad bluestem palme oweyed grass, cin	planteesweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum le groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng me relative ranty in	relation to the
Interstate highway			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)				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	Ass	Assessment Area Name or Number		
	NFRC P	hasa 3				W-GOL-325B	
	NI KO F						
Impact or Mitigation				Ass	essment dat		
Imp	act (Cle	aring)	M. Harrington			4/16/2019	
Scoring Guidance		Optimal (10)	Moderate(7)	Minima	al (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 wetland/surf		Condition is insufficient to provide wetland/surface wate	
for the type of wetland or		wetland/surface water functions	wetland/surface	functi	ons	functions	
surface water assessed			waterfunctions				
.500(6)(a) Location ar Landscape Support 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		bess of contiguous Support to wildl species = 8 (mini roads); d) function ited by roads and rologically conne	s forested pa ife listed in P mal coverage ons that bene d ditching; e) cted 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 Pa ownstream of assessment are	
.500(6)(b)Water Environ (n/a for uplands) w/o pres or current 7	with	freshwater marsh, although water levels and flows = 8 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant		prary turbidity impors = 8, (consistent 6, (existing erosi unity zonation = ecies with specif quality degradat	pacts. Individent pacts. Individent on from road 7 (typical for ic hydrologica ion = 7; j) dir	dual parameter scores: a) cted); c) soil moisture = 7, way, adjacent landuses); e) forested wetland); g)	
.500(6)(c)Community stru 1. Vegetation and/o 2. Benthic Communit w/o pres or current 7	or ty	compared to existing forest shrub, or ground stratum = c) regeneration and recruitr wetland); e) density and qua	ed system. Individual param 7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, h) topographic features = 7,	eter scores: a) p ner invasive plan pected); d) age & snag, den, and c	lant commun t species = 7 size distribut avity = 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)		If preservation as miti	gation,	Fo	r impact asse FL = delta	essment areas	
current	1	Preservation adjustme	ent factor =		r∟ = deita		
or w/o pres	with	Adjusted mitigation de	elta =				
0.70	0.5						
0.70							
0.70							
		If mitigation		For	mitigation as	sessment areas	
Delta = [with-current	t]	If mitigation Time lag (t-factor) =			mitigation as		

Site/Project Name		Application Number	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GOL	-285A_1
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
530		Existing			Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of imp			
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. 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)				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	Assessr	nent Area	a Name or Number
Gulf NFRC F	Phase 3			/-GOL-285A_1	
Impact or Mitigation		Assessment conducted by: Assessment date:			
Impact of Milligation Impact (Cle	earing)	M. Harrington	7336331	nem date	4/16/2019
	5,	J			
Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4))	Not Present (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	maintain most wetland/surface water wetland/surface functions		Condition is insufficient to provide wetland/surface wate functions
.500(6)(a) Location and Landscape Support w/o pres or current with 6 6	landscape support variable herbaceous community. Inc (reduced by proximity of but access to and from outside distance or barriers = 6 (do 1 by outside land uses = 6 (ss of contiguous fore Support to wildlife lis becies = 7 (minimal of boads); d) functions the ed by roads and dito bologically connected	ested para sted in Pa coverage hat benef hing; e) I areas do	cels and conversion to int 1 by outside habitats = 6 of Lygodium); c) Wildlife it fish & wildlife downstream- mpacts to wildlife listed in Par wnstream of assessment area
.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 (consistent with expected; d) evidence of fire history = 7 stress on vegetation = 6; h) tolerant of and associated v	nporarily impact the water env silt fencing will reduce tempo normal; b) water level indicato) soil erosion or deposition = 6 (normal); f) vegetation commu use by animal species with s vith water quality degradation ality data = N/A; I) water dept	rary turbidity impacts ors = 7 (consistent wi 6, (existing erosion fr unity zonation = 6 (la pecific hydrological r = 7; j) direct observa	 Individ th expection om roady cking gro equirement ation of w 	ual parameter scores: a) ted); c) soil moisture = 7, vay, adjacent landuses); e) undcover); g) hydrologic ents = 6; i) vegetative species ater quality = 5, receives road
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 6 6	compared to existing forest shrub, or ground stratum = plant species = 6, (some nu age & size distribution = 7, and cavity = 5; f) plant conc	vert the system to a freshwate ed system. Individual parame 6 (lacking canopy recrutiment uisance species); c) regenerat (typical of forested wetland); e lition = 6, ; g) land manageme aquatic plant communities = 7	eter scores: a) plant (and groundcover); ion and recruitment a) density and quality ent practices = 6, h) t	communi b) invasiv = 6 (lacki v of coars	ty species in the canopy, ve exotics or other invasive ng camopy recrutiment); d)
С					
Score = sum of above scores/30 (if uplands, divide by 20) current or w/o pres with 0.60 0.6	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		oact asse . = delta)	ssment areas (acres =
Score = sum of above scores/30 (if uplands, divide by 20) current pr w/o pres with	Preservation adjustme	ent factor =	FL	. = delta >	(acres =
Score = sum of above scores/30 (if uplands, divide by 20) current pr w/o pres with	Preservation adjustme	ent factor =	FL	. = delta >	

Site/Project Name		Application Number	er	ŀ	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-283B
FLUCCs code	Further classification	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630		Existing Condition			xisting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/federal designation of imp			
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, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	planteesweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum le groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative ranty in	
Interstate highway			Not rare in relation to regional landscape			
Functions			Mitigation for pre	evious p	permit/other historic us	9
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 3), 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	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	Phase 3			W-GOL-283B	
Impact or Mitigation		Assessment conducted by: Assessment			
Impact (Cl	earing)	M. Harrington		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 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	wnstream flow somewhat limit	ss of contiguous forested pa Support to wildlife listed in I pecies = 8 (minimal coverage 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 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) 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		arary turbidity impacts. Indiv ors = 8, (consistent with exp δ , (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 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 commu ler 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 scores/30 (if uplands, divide by 20) (if current current with 0.70 0.5	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		sessment areas a x acres =	
	If mitigation		– <i>– – – –</i>		
				seesment areas	
Delta = [with-current]	Time lag (t-factor) =		For mitigation as	ssessment areas	

Site/Project Name		Application Number	er		Assessment Area Name	or Number
Gulf NFRC Pha	ise 3				WB-GC	DL-328B
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 imp			
Ochlockonee River						
Geographic relationship to and hydrogeneity of the second se	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>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, cine	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative ranty in	
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				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	/	Assessment Area Name or Number		
	Gi	ulf NFRC F	Phase 3			١	WB-GOL-328B	
Impact or				Assessment conducted by:				
mpact of	Mitigation	mpact (Cle	earing)	M. Harrington		Assessment date	4/16/2019	
			,anng)				4/10/2013	
	ng Guidance	\Box	Optimal (10)	Moderate(7)Minimal (4)Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctionsMinimal level of support of wetland/surface water functions			Not Present (0)	
indicato what wo for the typ	oring of each or is based on uld be suitable pe of wetland water assesse	e or	Condition is optimal and fully supports wetland/surface water functions				Condition is insufficier provide wetland/surface 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 transformed with clearing the transformed for ests through I dividual parameter scores: a usy roads; b) Invasive exotic $s = 6$ (reduced to proximity of points fream flow somewhat lime (adjacent to highway); f) Hyd wnstream areas on assessme	loss of contigu a) Support to w species = 8 (m roads); d) fun- nited by roads drologically cor	ous forested par ildlife listed in Pa ininimal coverage ctions that benel and ditching; e) nnected areas do	rcels and conversion to art 1 by outside habitats e of Lygodium); c) Wildlife fit fish & wildlife downstre Impacts to wildlife listed i ownstream of assessmer	e am- n Part
	(b)Water Envii n/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 en n silt fencing will reduce temp (normal; b) water level indicar a) soil erosion or deposition = (normal); f) vegetation comm ation = 7; h) use by animal sp of and associated with water () existing water quality data =	oorary turbidity tors = 8, (cons e 6, (existing er nunity zonatior pecies with spe r quality degra	impacts. Individual istent with exper- osion from road n = 7 (typical for ecific hydrologica dation = 7; j) dire	dual parameter scores: a cted); c) soil moisture = 7 way, adjacent landuses); forested wetland); g) al requirements = 7; i) ect observation of water o	ć, e) quality
1. `	c)Community Vegetation an tenthic 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 freshwat ted system. Individual param 7, ; b) invasive exotics or ot ment = 7, (consistent with ex ality of coarse woody debris, , h) topographic features = 7, or.	neter scores: a ther invasive p pected); d) age , snag, den, an	a) plant communi- lant species = 7 e & size distribut ad cavity = 6; f) p	ity species in the canopy , (very little nuisance spe tion = 7, (typical of forest plant condition = 8, ; g) la	, cies); ed nd
Score - si	um of above sco lands, divide by	(If preservation as mit Preservation adjustm	ient factor =		For impact asse FL = delta		
	S	with 0.5	Adjusted mitigation d					
upl current or w/o pres	S	-	Adjusted mitigation d		F	For mitigation as	sessment areas	
upl current pr w/o pres 0.70	s ta = [with-curr	0.5				For mitigation ass		

Site/Project Name Gulf NFRC Impact or Mitigation Impact	Phase 3	Application Number		rea Name or Number	
Impact or Mitigation	Phase 3				
				WB-GOL-328B	
Impact		Assessment conducted by:	Assessment of	ate:	
L	(Fill)	M. Harrington		4/16/2019	
Scoring Guidance	Optimal (10)	Modorato(7)	Minimal (4)	Not Present (0)	
The scoring of each	Condition is optimal and	Moderate(7) Condition is less than	Willind (4)	Not Fresent (0)	
indicator is based on what would be suitable	fully supports	optimal, but sufficient to maintain most	Minimal level of support wetland/surface water		
for the type of wetland or	wetland/surface water	wetland/surface	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 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 = 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 covera oads); d) functions that be red by roads and ditching; pologically 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 Part 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 is 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 water = 6, receives road runoff. K) existing water quality data = N/A; I) water depth wave, wave energy, currents a penetration = N/A.				
.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 = c) regeneration and recruitm wetland); e) density and qua	ed system. Individual parame 7, ; b) invasive exotics or oth hent = 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 distril snag, den, and cavity = 6; f	= 7, (very little nuisance species); bution = 7, (typical of forested b) plant condition = 8, ; g) land	
Score = sum of above scores/30 (if	If preservation as mitig	gation,		ssessment areas	
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = del	ta x acres =	
pr w/o pres with	Adjusted mitigation de	lta =	FL: 0.005 ac	. x 0.70 = 0.004	
0.70					
	If mitigation		For mitigation	assessment areas	
Delta = [with-current]	Time lag (t-factor) =				
-0.70	Risk factor =		RFG = delta/(t-facto	r x risk) =	

Site/Project Name		Application Numbe	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				D-GO	L-281
FLUCCs code	Further classification	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
510				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	connects to othe	r wetland systems			
Assessment area description The canopy stratum in the outer ea sweetgum, slash pine (recruited), s the edges. The subcanopy stratum fetterbush, highbush blueberry, wa chain fern, flatsedge, greenbrier, c (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 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
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	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	rea Name or Number
Gulf NFRC	Phase 3			D-GOL-281
	5 F 11038 J	•		
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	f 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. Inc b) Invasive exotic species = downstream-distance or ba	= 8; c) Wildlife access to and f rriers = 7; e) Impacts to wildlif am of assessment area = 8; g)	ss of contiguous forested p Support to wildlife listed in rom outside = 7; d) function e listed in Part 1 by outside	arcels and conversion to Part 1 by outside habitats = 6;
.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; moisture = 7, consistent wit existing erosion from roadw 5, removal of canopy, conv maintenance; h) use by ani and associated with water of clearing coupled with existin	th expected; d) soil erosion or vay, adjacent landuses; e) evic ersion to herbaceous; g) hydro mal species with specific hydro quality degradation = 7; j) direct	rary turbidity impacts. Individual tered hydroperiod due to t deposition = 5, erosion dur dence of fire history = 6; f) ologic stress on vegetation ological requirements = 8; ct observation of water qua precreational activities. K) deposition of the stress of the stre	vidual parameter scores: a) o silvicultural practices; c) soil ing clearing, coupled with vegetation community zonation =
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current with 4 3	Clearing of canopy will con- compared to existing forest shrub, or ground stratum = c) regeneration and recruitr distribution = 4, atypical of 1 4; f) plant condition = 4, ; g)	ed system. Individual parame 4, ; b) invasive exotics or oth nent = 3, removal of canopy, r forested wetland; e) density ar	eter scores: a) plant commu er invasive plant species = recruitment affected by main ad quality of coarse woody = 6, silvicultural practices a	7, very little nuisance species; ntenance; d) age & size debris, snag, den, and cavity = nd access roads, h) topographic
Score = sum of above scores/30 (uplands, divide by 20) current or w/o pres 0.57	if If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		sessment areas a x acres =
	If mitigation			concernant cross
Delta = [with-current]	Time lag (t-factor) =			ssessment areas
-0.07	Risk factor =		RFG = delta/(t-factor	x risk) =

Site/Project Name		Application Number	er		Assessment Area Name	or Number
Gulf NFRC Pha	ise 3				D-GO	L-330
FLUCCs code	Further classific	ation (optional)		Impact	t or Mitigation Site?	Assessment Area Size
510				E	Existing Condition	
Basin/Watershed Name/Number	Affected Waterbody (Cla	ass)	Special Classificati	ON (i.e.C	FW, AP, other local/state/federa	I designation of importance)
Ochlockonee 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 ea sweetgum, slash pine (recruited), 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, loblol netto. The grounde	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 (co regional landsca		ing the relative rarity in	relation to the
Interstate highway			No	ıt rare i	n relation to regional la	andscape
Functions			Mitigation for pre	vious p	permit/other historic us	e
Wildlife habitat, wa	ter treatment and stora	age			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 di	rectly 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			

Landscape Support w/o pres or Landscape Support Landscape Support Landscape Support Landscape Support Landscape Support b) Invasive exotic species = downstream-distance or ba	im of assessment area = 8; g)	Assessment dat Minimal (4) Minimal level of support of wetland/surface water functions smission line ROW would re- ss of contiguous forested pa Support to wildlife listed in P from outside = 7; d) functions e listed in Part 1 by outside l	4/16/2019 Not Present (0) Condition is insufficient to provide wetland/surface water functions duce the location and arcels and conversion to Part 1 by outside habitats = 6;
Impact or Mitigation Impact (Clearing) Scoring Guidance Optimal (10) The scoring of each Condition is optimal and indicator is based on what would be suitable for the type of wetland or surface water assessed .500(6)(a) Location and Loss of canopy species asse .500(6)(a) Location and Loss of canopy species asse w/o pres or ownstream-distance or ba current with	M. Harrington Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions sociated with clearing the trans for wetland forests through lo dividual parameter scores: a) = 8; c) Wildlife access to and f rriers = 7; e) Impacts to wildlifu im of assessment area = 8; g)	Minimal (4) Minimal level of support of wetland/surface water functions smission line ROW would re- ss of contiguous forested pa Support to wildlife listed in P from outside = 7; d) functions e listed in Part 1 by outside l	e: 4/16/2019 Not Present (0) Condition is insufficient to provide wetland/surface water functions duce the location and rcels and conversion to Part 1 by outside habitats = 6; is that benefit fish & wildlife and uses = 6; f) Hydrologically
Impact (Clearing) Scoring Guidance The scoring of each Optimal (10) The scoring of each Condition is optimal and indicator is based on what would be suitable for the type of wetland or surface water assessed .500(6)(a) Location and Loss of canopy species ass landscape Support b) Invasive exotic species = w/o pres or with w/o pres or with	M. Harrington Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions sociated with clearing the trans for wetland forests through lo dividual parameter scores: a) = 8; c) Wildlife access to and f rriers = 7; e) Impacts to wildlifu im of assessment area = 8; g)	Minimal (4) Minimal level of support of wetland/surface water functions smission line ROW would re- ss of contiguous forested pa Support to wildlife listed in P from outside = 7; d) functions e listed in Part 1 by outside l	4/16/2019 Not Present (0) Condition is insufficient to provide wetland/surface water functions duce the location and arcels and conversion to art 1 by outside habitats = 6; s that benefit fish & wildlife and uses = 6; f) Hydrologically
Scoring Guidance Optimal (10) The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed wetland/surface water .500(6)(a) Location and Loss of canopy species ass landscape Support b) Invasive exotic species - w/o pres or with with with	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions for wetland forests through lo lividual parameter scores: a) = 8; c) Wildlife access to and f rriers = 7; e) Impacts to wildlifu im of assessment area = 8; g)	Minimal level of support of wetland/surface water functions smission line ROW would re- ss of contiguous forested pa Support to wildlife listed in P from outside = 7; d) functions e listed in Part 1 by outside I	Not Present (0) Condition is insufficient to provide wetland/surface water functions duce the location and rcels and conversion to Part 1 by outside habitats = 6; is that benefit fish & wildlife and uses = 6; f) Hydrologically
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 .500(6)(a) Location and Landscape Support Loss of canopy species ass landscape support variable herbaceous community. Incommunity. Incommunity with w/o pres or current with	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions sociated with clearing the trans for wetland forests through lo lividual parameter scores: a) = 8; c) Wildlife access to and f rriers = 7; e) Impacts to wildlifu m of assessment area = 8; g)	Minimal level of support of wetland/surface water functions smission line ROW would re- ss of contiguous forested pa Support to wildlife listed in P from outside = 7; d) functions e listed in Part 1 by outside l	Condition is insufficient to provide wetland/surface water functions duce the location and rcels and conversion to Part 1 by outside habitats = 6; s that benefit fish & wildlife and uses = 6; f) Hydrologically
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 .500(6)(a) Location and Landscape Support Loss of canopy species ass landscape support variable herbaceous community. Inc b) Invasive exotic species = downstream-distance or ba connected areas downstream 6, benefit to downstream a	optimal, but sufficient to maintain most wetland/surface waterfunctions sociated with clearing the trans for wetland forests through lo lividual parameter scores: a) = 8; c) Wildlife access to and f rriers = 7; e) Impacts to wildlifu m of assessment area = 8; g)	wetland/surface water functions smission line ROW would re- ss of contiguous forested pa Support to wildlife listed in P from outside = 7; d) functions e listed in Part 1 by outside l	provide wetland/surface water functions duce the location and crcels and conversion to Part 1 by outside habitats = 6; s that benefit fish & wildlife and uses = 6; f) Hydrologically
 boo(b)(a) Location and Landscape Support w/o pres or current with landscape support variable herbaceous community. Inc b) Invasive exotic species = downstream-distance or ba connected areas downstream 6, benefit to downstream a 	for wetland forests through lo lividual parameter scores: a) = 8; c) Wildlife access to and f rriers = 7; e) Impacts to wildlifi Im of assessment area = 8; g)	ss of contiguous forested pa Support to wildlife listed in P from outside = 7; d) functions e listed in Part 1 by outside I	rcels and conversion to Part 1 by outside habitats = 6; Is that benefit fish & wildlife and uses = 6; f) Hydrologically
 .500(6)(b)Water Environment (n/a for uplands) w/o pres or w/o pres or w/o pres or current 	ersion to herbaceous; g) hydro mal species with specific hydr quality degradation = 7; j) direc	arary turbidity impacts. Indivi altered hydroperiod due to to deposition = 5, erosion durin dence of fire history = 6; f) ve ologic 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 ng clearing, coupled with egetation community zonation =
 1. Vegetation and/or 2. Benthic Community . A structure . Compared to existing forest shrub, or ground stratum = . C) regeneration and recruiter distribution = 4, atypical of for 4; f) plant condition = 4, ; g) 	ed system. Individual parame 4, ; b) invasive exotics or oth nent = 3, removal of canopy, r orested wetland; e) density ar	eter scores: a) plant commur er 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 If preservation as miti Preservation adjustment or w/o pres with 0.57 0.5	ent factor =	For impact ass FL = delta	
If mitigation		For mitigation as	concernant areas
Delta = [with-current] Time lag (t-factor) =		For mitigation as	
-0.07 Risk factor =		RFG = delta/(t-factor	x risk) =

Site/Project Name		Application Numbe	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				D-GOI	331A
FLUCCs code	Further classifica	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
510				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	/ 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, loblol netto. The grounde	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 (co regional landsca		ing the relative rarity in	relation to the
Intersi	ate highway		No	t rare i	n relation to regional la	andscape
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				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			

Guil NFRC Phase 3 D-OCL-331A Impact or Miligation Impact (Clearing) Assessment conducted by: M-Harrington Assessment date: 4/16/2019 Scoting Guidance The scoring of each indicator is based on what would be subable for the type of welland or current wetland/surface water functions Minimal (4) Moderate(7) minimal (4) Not Present (0) Condition is insufficient to wetland/surface water functions Scoting Guidance for the type of welland or current wetland/surface water functions Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape support variable for wetland forests through loss of configuous forestation particle water functions Scotici(a) Location and Landscape support variable for wetland forests through loss of configuous forestation particle water functions Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape support variable for wetland forests through loss of configuous forestation particle water functions Scotici(a) Location and Landscape support variable for wetland forests through loss of configuous forestation particle b) Invastive ecolic species = 8; c) Widtle access to and from outside = 7, 0) functions witheline last with and the state functions Scotici(b)(Water Environment (r/n for uplands) Clearing the canopy will tempoortily impact the water environment variable, conventing forestad system to a maintenance; ho use by animal species with specific requirements = 6; o along runner, ounder water environment water functions Clearing the canopy minor, ounder maintenance; ho use by animal species with s	Site/Project Name		Application Number	A	ssessment Area	a Name or Number
Impact of Mitigation Assessment conducted by: M. Harrington Assessment date: 4/16/2019 Scoring Guidance The scoring of each micracion is based on which would be satisfied auface water is assessed		hase 3				D-GOL-331A
Impact (Clearing) M. Harrington 4/16/2019 Scoring Guidance The scoring of each indicator is based on what would be suitable to the type of weathed assessed Optimal (10) Moderate(7) Minimal (4) Not Present (0) Condition is optimal and fully supports surface water is surface is an is surface water is surface is an is su	Impact or Mitigation		Assessment conducted by:	Α	ssessment date	2.
Society Guidance The society of each full supports Optimal (10) Moderate(7) Minimal (4) Not Present (0) Condition is logithmal and fully supports Condition is logithmal and fully supports Condition is logithmal and fully supports Minimal (4) Not Present (0) Society Condition is logithmal and fully supports Condition is logithmal and fully supports Condition is logithmal and fully supports Minimal (4) Condition is logithmal wetland/surface water functions Society Condition is logithmal and fully supports Condition is optimal and fully support Condition is logithmal wetland/surface water functions Condition is logithmal wetland/surface Society Condition and Landscape Support Loss of canopy species associated with clearing the trabscore constraints Condition is logithmal andscape support viriable for wetland foress through loss of contiguous forested parcels and conversion to herbasecus community. Individual parameter scores: a) Support viriable for wetland foress for by metal to connected areas downstream areas. For the trabscore is contiguous forested parcels and conversion to herbasecus community. Individual parameter scores: a) Support viriable for wetland water environment variable, converting forested system to a frestwater marsh, although slit fincing will reduce temporary turbidity impacts. Individual parameter scores: a) support water lowes and wow scores: a) support viriable for wetland scores: a) support viriable for wetland scores: a) support viriable for wetland scores and scores scores: a) support viriable for wetland scores and scores scores: a) support viriable for wetl		aring)	,			
The scoring of each indicator is based on what would be suitable for wetland or the type of wetland or type of the type of type of the type of type of the type of type of type of the type of the type of the type of type of type of type of the type of type of the type of type of type of the type of type						
indicator is based on full supports is urface water assessed Condition is optimal, but sufficient to maintain most wetland/surface water munctions Minimal level of support of functions Condition is insufficient to maintain most wetland/surface water functions .500(6)(a) Location and Landscape Support Loss of cancey spacies associated with clearing the transmission line ROW would refuce the location and landscape support .500(6)(a) Location and Landscape Support Loss of cancey spacies associated with clearing the transmission line ROW would refuce the location and landscape support variable for wetland foresist through loss of conditione 7:0 functions that benefit fine A weldific ownstream-distance or barriers = 7:0 Wildfie access to and fram outside = 7:0 functions that benefit fine A weldific downstream desame or barriers = 7:0 Wildfie access to and fram outside = 7:0 functions that benefit fine A weldific downstream desame or barriers = 7:0 Wildfie access to and fram outside = 7:0 functions that benefit fine A weldific downstream desame areas. .500(6)(b)/Water Environment (n/a for uplands) Clearing the cancey will temporarily inpact the water environment variable, converting forested system to a free/water markin, although silt (function function of deposition of the social of and associated with weter quality degradation = 7: j) direct observation of water quality dates = 8: j) vegetative species tolerant of and associated with weter quality degradation = 7: j) direct observation of water quality date = NA; j) water depth wave, wave energy, currents and light penetration = NA. 6 6 0.00(6)(c)Community wo pres or current		Optimal (10)		Mini	mal (4)	Not Present (0)
a.soub(s)(a) Exclution and Landscape Support Iandscape support Iandscape support Iandscape support Landscape Support widthe Ister excess: a support Support to widthe Ister in Part 1 by outcide habitats = 6; w/o pres or ourrent with ister in Part 1 by outcide habitats = 6; b) Invasive exotic species = 8; c) Widthe Support to widthe Ister in Part 1 by outcide habitats = 6; 7 6 Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, aithough sill fencing will reduce temporary turbidity impacts. Individual parameter scores: a) water levels and flows = 7, b) water level indicators = 7, altered hydropendo due to to silvicultural practices; c) sol moisture = 7, consistent with expected; d) sol resolor of deposition = 5, errosonal outing dearing, coupled with expected; d) sol resolor of deposition = 5, errosonal outing dearing; coupled with expected; d) sol resolor of deposition = 5, errosonal equity contends, water quality degradated with water qualit	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/si	urface water	provide wetland/surface wat
.500(6)(b)Water Environment (n/a for uplands) Treshwäter marsh, älthough silt fencing will reduce temporary utrikidity impacts. Individual paramèter scores: a) water levels and flows = 7; b) water level indicators = 7, altered hydroperiod due to to silvicultural practices; c) soil 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 zonation = 5, eronoval of canopy, conversion to herbaceous; g) bydrologic stress on vegetation of water quality during = 6, temporary impact during clearing coupled with existing minor sedimentation due to recreational activities. K) existing water quality data = N/A; b) water depth wave, wave energy, currents and light penetration = N/A. 6 6 .500(6)(c)Community structure 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 = 4, : b) invasive exolics or other invasive plant species = 7, very little nuisance species; c) regeneration and recruitment = 3, : polyanawe exolics or other invasive plant species = 7, very little nuisance species; c) regeneration and recruitment = 4, : b) land management practices = 6, silvicultural practices and acavity = 4, : f) plant condition = 4, : g) land management practices = 6, silvicultural practices and acaves reads, h) topographic features = 7, ; i) siltation or algal growth in submerged aquatic plant communities = 8 very minor. with 4 3 Score = sum of above scores/30 (if urrent [ff mitigation delta = For impact assessment areas	Landscape Support w/o pres or current with	landscape support variable herbaceous community. Ind b) Invasive exotic species = downstream-distance or bar connected areas downstrea	for wetland forests through lo lividual parameter scores: a) = 8; c) Wildlife access to and f rriers = 7; e) Impacts to wildlif m of assessment area = 8; g)	ess of contigue Support to wil from outside = fe listed in Par	bus forested par Idlife listed in Pa 7; d) functions t 1 by outside la	cels and conversion to art 1 by outside habitats = 6; that benefit fish & wildlife and uses = 6; f) Hydrologicall
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 = 4, ; b) invasive exotics or other invasive plant species = 7, very little nuisance species; c) regeneration and recruitment = 3, removal of canopy, recruitment affected by maintenance; d) age & size distribution = 4, ; b) invasive exotics or other invasive plant species = 7, very little nuisance species; c) regeneration and recruitment = 3, removal of canopy, recruitment affected by maintenance; d) age & size distribution = 4, ; g) land management practices = 6, silvicultural practices and access roads, h) topographic features = 7, ; i) siltation 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 mitigation delta = or w/o pres with 0.57 0.5 If mitigation For mitigation assessment areas If mitigation Time lag (t-factor) = Delta = [with-current] If mitigation	(n/a for uplands) w/o pres or current with	freshwater marsh, although water levels and flows = 7; I moisture = 7, consistent wit existing erosion from roadw 5, removal of canopy, conve maintenance; h) use by anin and associated with water of clearing coupled with existin	silt fencing will reduce tempo b) water level indicators = 7, a h expected; d) soil erosion or ay, adjacent landuses; e) evic ersion to herbaceous; g) hydro mal species with specific hydro juality degradation = 7; j) direct ng minor sedimentation due to	arary turbidity i altered hydrop deposition = { dence of fire h ologic stress of rological requi ct observation of recreational	mpacts. Individ eriod due to to 5, erosion during istory = 6; f) ve on vegetation = rements = 8; i) of water quality activities. K) exi	tual parameter scores: a) silvicultural practices; c) soil g clearing, coupled with getation community zonation 5, canopy removal, routine vegetative species tolerant o $\gamma = 6$, temporary impact durin
uplands, divide by 20) Preservation adjustment factor = current Preservation adjustment factor = br w/o pres with 0.57 0.5 If mitigation For mitigation assessment areas Time lag (t-factor) = REG = delta/(t-factor x risk) =	1. Vegetation and/or 2. Benthic Community w/o pres or current with	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 parame 4, ; b) invasive exotics or oth nent = 3, removal of canopy, i orested wetland; e) density ar land management practices	eter scores: a) her invasive pla recruitment af nd quality of c = 6, silvicultur	plant communi ant species = 7, fected by maint oarse woody de al practices and	ity species in the canopy, , very little nuisance species; enance; d) age & size ebris, snag, den, and cavity = d access roads, h) topograph
Delta = [with-current] Time lag (t-factor) = For mitigation assessment areas BEG = delta/(t-factor x risk) = REG = delta/(t-factor x risk) =	uplands, divide by 20) current br w/o pres with	Preservation adjustme	ent factor =			
Delta = [with-current] Time lag (t-factor) = For mitigation assessment areas BEG = delta/(t-factor x risk) = REG = delta/(t-factor x risk) =		If mitigation		_		_
-0.07 Risk factor = RFG = delta/(t-factor x risk) =	Delta = [with-current]			Fc	or mitigation ass	sessment areas
	-0.07	Risk factor =		RFG =	delta/(t-factor x	risk) =

Site/Project Name		Application Number	er	ŀ	Assessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GC	DL-332
FLUCCs code	Further classification	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	al 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	5.		
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, 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	planteesweetgu etto. Th namon	d loblolly pine along th um. The shrub stratum le groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative ranty in	
Inters	tate highway		No	ot rare in	n relation to regional la	andscape
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)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading bir	rds, herpetofauna), little l	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	Assessment Ar	ea Name or Number
Gulf NFRC I	Phase 3			W-GOL-332
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 o 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. Inc (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 7 (wnstream flow somewhat limit	ss of contiguous forested p Support to wildlife listed in l pecies = 8 (minimal coverag oads); d) functions that ben ted by roads and ditching; e ologically 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)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		arary turbidity impacts. Indiv ors = 8, (consistent with exp β , (existing erosion from roa unity zonation = 7 (typical fo becies with specific hydrologie 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)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 commu ler 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 scores/30 (if uplands, divide by 20) current or w/o pres 0.70	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		sessment areas a x acres =
	If mitigation			
				second areas
Delta = [with-current]	Time lag (t-factor) =		For mitigation a	ssessment areas

Site/Project Name			Application Number		Assessment Are	a Name or Number	
				,			
Gulf N	NFRC Ph	ase 3				W-GOL-332	
Impact or Mitigation			Assessment conducted by:	/	Assessment date	9:	
In	npact (Fi	ill)	M. Harrington			4/16/2019	
Scoring Guidance	Г	Optimal (10)	Moderate(7)	Min	imal (4)	Not Present (0	`
The scoring of each	-	Condition is optimal and	Moderate(7) Condition is less than	INITI		Not Fresent (0)
indicator is based on what would be suitable		fully supports	optimal, but sufficient to maintain most		el of support of surface water	Condition is insufficie	
for the type of wetland or		wetland/surface water	wetland/surface		nctions	provide wetland/surfac functions	e water
surface water assessed	L	functions	waterfunctions				
.500(6)(a) Location an Landscape Support w/o pres or current 7	nd la h (a with 1	andscape support variable nerbaceous community. In reduced by proximity of bu access to and from outside distance or barriers = 7 (do I by outside land uses = 7	sociated with clearing the tran e for wetland forests through k dividual parameter scores: a) usy roads; b) Invasive exotics e = 6 (reduced to proximity of wonstream flow somewhat limi (adjacent to highway); f) Hydu mstream areas on assessmen	oss of contigu) Support to w species = 8 (m roads); d) fun- ited by roads rologically cor	ous forested par ildlife listed in Pa inimal coverage ctions that bene and ditching; e) inected areas do	cels and conversion to art 1 by outside habitats e of Lygodium); c) Wildli fit fish & wildlife downstr Impacts to wildlife listed ownstream of assessme	fe ream- I in Part ent area
.500(6)(b)Water Environr (n/a for uplands) w/o pres or current 7	ment f v c e h v =	reshwater 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 en- n silt fencing will reduce tempor (normal; b) water level indicat d) soil erosion or deposition = (normal); f) vegetation commation = 7; h) use by animal sp t of and associated with water (x) existing water quality data =	orary turbidity cors = 8, (cons 6, (existing er nunity zonatior ecies with spe quality degra	impacts. Individual istent with exper- osion from road n = 7 (typical for ecific hydrological dation = 7; j) direction	Jual parameter scores: cted); c) soil moisture = way, adjacent landuses forested wetland); g) al requirements = 7; i) ect observation of water	7,); e) r quality
.500(6)(c)Community stru 1. Vegetation and/or 2. Benthic Community w/o pres or current 7	r s ry c y r	compared to existing fores: shrub, or ground stratum = c) regeneration and recruiti vetland); 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 ality of coarse woody debris, b, h) topographic features = 7, or.	eter scores: a her invasive p bected); d) ago snag, den, an) plant communi lant species = 7 e & size distribut id cavity = 6; f) p	ity species in the canop , (very little nuisance sp ion = 7, (typical of fores lant condition = 8, ; g) l	y, becies); sted and
Score = sum of above scores/		If preservation as mit	tigation,		For impact asse		
uplands, divide by 20) current		Preservation adjustm	nent factor =		FL = delta	x acres =	
	with 0	Adjusted mitigation d	lelta =	FL: .005 ac. x 0.70 = 0.004			
	-						
		If mitigation		F	or mitigation as	accompant areas	
Delta = [with-current]]	Time lag (t-factor) =			= delta/(t-factor x		

Site/Project Name		Application Number	er	1	Assessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GC	DL-333
FLUCCs code	Further classification	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630				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	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 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, cine	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative ranty in	
Interst	tate highway		No	t rare i	n relation to regional la	andscape
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), little l	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 4/16/2019	e(s):		
M. Harrington/M. Goff	M. Harrington/M. Goff					

Gulf NFRC Phase 3 W-GOL-333 Impact or Mitigation Assessment conducted by: Impact (Clearing) Assessment conducted by: M. Harrington Assessment date: 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 fully supports Condition is less than optimal, but sufficient to Minimal level of support of	Cite/Draiget Nome		Application Number		Area Nama ar Numhar
Impact of Miligation Assessment conducted by: M. Harrington Assessment date: 4/16/2019 Scoring Guidance The scoring of each inflactor is based on what would be suitable for the type of weaksed sufface water issessed Optimal (10) Condition is less than of talk support of wetand/sufface water functions Moderate(7) Moderate(7) Moderate(7) Minimal (4) Moderate(7) Not Present (0) Condition is insufficient to provide wetand/sufface water functions .500(6)(a) Location and Landscape support wetand/sufface water functions Less of cancey species associated with clearing the transmission line ROW would reduct he location and landscape support valiable for wetand forests through loss of contiguous to weldifie listed in Parcela and Correlations Condition is insufficient to provide wetand/sufface water functions voters of current Less of cancey species associated with clearing the transmission line ROW would reduct he provide access to and from outside = 6 (reduced to proximity of reads); 0 functions that benefit fink & wildle listed in Parcela access to and from outside = 6 (reduced to proximity of reads); 0 functions that benefit fink & wildle listed in Parcela access to and from outside = 7 (lownstream areas = 6 (reduced to proximity of reads); 0 functions that benefit fink & wildle listed in Parcela access to and from outside = 7 (lownstream areas = 6 (reduced to proximity of reads); 0 (lownstream areas = 0 (lownstream areas = 7 (lownstream areas and from outside = 7 (lownstream areas = 1 (lownstream areas = 6 (reduced to	Site/Project Name		Application Number	Assessment	Area Name or Number
Impact (Clearing) M. Harrington 4/16/2019 Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of weaks and/surface water fully support surface water assessed Condition is reptinal and fully support fully support of functions Not Present (0) Sol(6)(a) Location and Landscape Support vertice water assessed Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape support valiable for vertices of press of current Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape support valiable for vertices of press of current 7 5 7 5 7 10 workspace support of current Condition is reptinal and fully support functions 7 5 7 5 7 0 correct of correct or governet Support to wildlife listed in Press functions Not pression functions Not pression fully support of functions Condition is insufficient to provide habits = 6 (reduced to proximity of roads); 0 functions that benefit fist & wildlife istorn Pression function to wildlife istorn Pression function to wildlife istorn Pression functions Not pression functions 6 7 5 7 0 Dependency of downstream areas is on associated with water environment wareas is downstream of associated water levels and flows = 8 (normal; h) water level indicators = 8 (educed support) thy orgenation advertexet, dis of dow	Gulf NFRC	Phase 3			W-GOL-333
Scoring Guidance Indicator is based on indicator is based on the bygo of vession of each tor the bygo of vession of the tor the tor tor tor tor tor tor tor vession of the tor tor tor tor vession of the tor tor vession of the tor tor vession of the tor tor vession of tor	Impact or Mitigation		Assessment conducted by: Assessment date:		
The scoring of each indicator is based on what would be suitable for welland of the suitable welland we	Impact (Cl	earing)	M. Harrington		4/16/2019
The scoring of each indicator is based on what would be suitable for welland of the suitable welland we				Ļ	
indicator is based on what would be suitable for the type of verified or surface water assessed Condition is insufficient to maintain most verificand/surface water functions Minimal level of support of weaterfunctions Condition is insufficient to maintain most verificand/surface water functions .500(6)(a) Location and Landscape Support Loss of cancey species associated with clearing the transmission line ROW would reduce the location and tandscape support variable for wettain forests through loss of configuous forested parcels and conversion to herbaceous community. Individual parameter scores: a) Support to wildfile filestien Part 1 by outside habitats = 6 (reduced by proximity of busy routside) is for wettain forests through loss of configuous forested parcels and conversion to herbaceous community. Individual parameter scores: a) water fewls and form outside = 6 (reduced to proximity of roads): d) functions that benefit fish & wildfile downstream 1 by outside land uses = 7 (adjacent to highway); f) Hydrologically connected areas downstream of assessment area = 7; g) Dependency of downstream areas on assessment area = 6 (downstream areas somewhat dependent). .500(6)(b)(Water Environment (n/a for uplands) Clearing the cancey will temporarily impact the water environment vater weits and flows = 8 (normal; b) water level and indicators = 8, (consistent with expected); c) soll mositure = 7, consistent with expected; d) soll erasion or deposition = 7, (subside and the expected is and thexpected is and thexpected is and the expect	ş	Optimal (10)		Minimal (4)	Not Present (0)
surface water assessed Lunctions waterfunctions .500(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape Support wo pres or current the transmission line ROW would reduce the location and landscape support variable for wetland forests through loss of configuous foreares and proversion to herebaceus community, individual parameter scores: a) Support to widtlife listed in Part (reduced by proximity of houry roads; b) Invasive exotic species = 8 (minimal converge of Lygodium; c) Wildlife access to and from ouside = 6 (reduced to proximity of roads; d) functions that benefit fins & wildlife downstream distance or barriers = 7 (downstream flow somewhat limited by roads and ditting; e) Impacts to wildlife listed in Part i by outside and uses = 7 (algocarent to highway); Hydrologicatify connected areas downstream of assessment area = 7; g) Dependency of downstream areas on assessment area = 6 (downstream areas somewhat dependent). .500(6)(b)(Water Environment (n'a for uplands) Clearing the canopy will temporarily impact the water renvironment variable, converting forested system to a freshwater marsh, although silt encing 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, onsistent with expected; d) soil mail species with male species with water quality data = N/A; l) water depth wave, wave energy, currents and light penetration = N/A. 7 7 7 7 7 7 1)	indicator is based on what would be suitable	fully supports wetland/surface water	optimal, but sufficient to maintain most	wetland/surface wate	r provide wetland/surface water
Sout(6)(a) Location and Landscape Support Iandscape support Support or wildlife identiation part to wildlife identiation of access to and from outside identiates = 6 (reduced to proximity of roads); d) functions that benefit fish a Wildlife downstream distance or barriers = 7 (downstream flow somewhat limited by roads and diching; e) Impacts to wildlife identiates = 6 = 7; g) Dependency of downstream areas on assessment area = 6 (downstream areas downstream of assessment area = 7; g) Dependency of downstream areas on assessment area = 6 (downstream areas somewhat dependent). .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 = 6 (normal; b) water level indicators = 6. (consistent with expected; c) soil moisture = 7, consistent with expected; d) soil erosion or deposition = 6. (edsting doration = 7. (v) pical for forested wetland) (g) hydroidogic stress on vegetation = 7, h) use by animal species with species (branch or and assessment) area quality dotata = N/A; l) water depth wave, wave energy, currents and light current with 7 7 7 7 7 7 7 7 7 7 7		functions			
.500(6)(b)Water Environment (n/a for uplands) freshwater marsh, although silt faccing will reduce temporary turbidity impacts. Individual parameter scores: a) water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected;); c) soll moisture = 7, consistent with expected; d) soll 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; c) direct observation of water quality = 6, receives road runoff. K) existing water quality data = N/A; 1) water depth wave, wave energy, currents and light 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 functional value compared to existing forested system. Individual parameter scores: a) plant community species in the canopy, shrub, or ground stratum = 7, ; to) invasive exotics or other invasive plant species = 7, (very little nuisance species); c) regeneration and recruitment = 7, (consistent with expected); d) age & size distribution = 7, (typical of forested wetland); e) density and quality of coarse woody debris, snag, den, and cavity = 6; f) plant condition = 8, ; g) land management practices = 6, h) topographic features = 7, ; i) siltation or algal growth in submerged aquatic plant communities = 8 very minor. 8 Very minor. For impact assessment areas FL = delta x acres = FL = delta x acres = 9, 10, 10, 5 If mitigation Time lag (t-factor) =	Landscape Support w/o pres or current with	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 (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) Hydro	ss of contiguous forested Support to wildlife listed becies = 8 (minimal cove boads); d) functions that b ed by roads and ditching bologically connected area	d parcels and conversion to in Part 1 by outside habitats = 6 rage of Lygodium); c) Wildlife enefit fish & wildlife downstream- ; e) Impacts to wildlife listed in Part as downstream of assessment area
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 = 7, ; b) invasive exotics or other invasive plant species = 7, (very little nuisance species); c) regeneration and recruitment = 7, (consistent with expected); d) age & size distribution = 7, (typical of forested wetand); e) density and quality of coarse woody debris, snag, den, and cavity = 6; f) plant condition = 8, ; g) land management practices = 6, h) topographic features = 7, ; i) siltation 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 mitigation delta = or w/o pres with 0.70 0.5 If mitigation For mitigation assessment areas If mitigation For mitigation assessment areas If mitigation Time lag (t-factor) = Delta = [with-current] If mitigation	(n/a for uplands) w/o pres or current with	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 = 6, receives road runoff. K	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	rary turbidity impacts. In ors = 8, (consistent with e 5, (existing erosion from a 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) ogical requirements = 7; i)) direct observation of water quality
uplands, divide by 20) Preservation adjustment factor = current Adjusted mitigation delta = 0.70 0.5 If mitigation File delta x acres = If mitigation For mitigation assessment areas Time lag (t-factor) = REG = delta/(t-factor x risk) =	1. Vegetation and/or 2. Benthic Community w/o pres or current with	compared to existing forester shrub, or ground stratum = c) regeneration and recruitn wetland); e) density and qua management practices = 6,	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 com er invasive plant species ected); d) age & size dist snag, den, and cavity = 6	wunity species in the canopy, = 7, (very little nuisance species); ribution = 7, (typical of forested ; f) plant condition = 8, ; g) land
Delta = [with-current] Time lag (t-factor) = REG = delta/(t-factor x risk) =	uplands, divide by 20) current pr w/o pres with	Preservation adjustme	ent factor =		
Delta = [with-current] Time lag (t-factor) = REG = delta/(t-factor x risk) =		If mitigation			
-0.20 Risk factor = RFG = delta/(t-factor x risk) =	Delta = [with-current]				
	-0.20	Risk factor =		RFG = delta/(t-fac	tor x risk) =

Site/Project Name		Application Number	er	A	Assessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GC	DL-334
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	al designation of importance)
Ochlockonee River						
Geographic relationship to and hydrogeneity of the second se	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 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, 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. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative ranty in	relation to the
Inters	tate highway		No	ot rare ir	n relation to regional la	andscape
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)				T, SSC	y 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 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 NF					
	RC Phase 3			W-GOL-334	
Impact or Mitigation		Assessment conducted by:	Assessment da		
	t (Clearing)	M. Harrington	Assessment da	4/16/2019	
	(elealing)			.,,	
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 wi 7 5	landscape support variable herbaceous community. In (reduced by proximity of b access to and from outsid distance or barriers = 7 (d 1 by outside land uses = 7 - 7; d) Dependency of do		ss of contiguous forested pa Support to wildlife listed in F pecies = 8 (minimal coverag oads); d) functions that bene ed by roads and ditching; e) ologically connected areas of	arcels and conversion to Part 1 by outside habitats = 6 e of Lygodium); c) Wildlife efit fish & wildlife downstream- Impacts to wildlife listed in Par lownstream of assessment area	
.500(6)(b)Water Environme (n/a for uplands) w/o pres or current wi 7 7	 freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = 7 hydrologic stress on veget vegetative species toleran = 6, receives road runoff. th penetration = N/A. 		rary turbidity impacts. Indiv ors = 8, (consistent with expects, (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 struct 1. Vegetation and/or 2. Benthic Community w/o pres or current wi 7 3	Clearing of canopy will cor compared to existing fores shrub, or ground stratum = c) regeneration and recrui wetland); e) density and q management practices = 6 communities = 8 very minutes	tment = 7, (consistent with exp uality of coarse woody debris, s 5, h) topographic features = 7,	eter scores: a) plant commu er invasive plant species = ected); d) age & size distribu snag, den, and cavity = 6; f)	hity species in the canopy, 7, (very little nuisance species); ution = 7, (typical of forested plant condition = 8, ; g) land	
Score = sum of above scores/30 uplands, divide by 20) current or w/o pres 0.70	th Adjusted mitigation of	nent factor =		essment areas	
	If mitigation		—		
Delta = [with-current]	Time lag (t-factor) =		For mitigation as	ssessment areas	
			RFG = delta/(t-factor x risk) =		

Site/Project Name			Application Number	Assessment	Assessment Area Name or Number		
	Gulf NFRC I	Phase 3			W-GOL-334		
Impact or Mitigation			Assessment conducted by:	Assessment	date:		
inipact of miligation	Impact ((Fill)	M. Harrington	, locosonioni	4/16/2019		
Scoring Guidance The scoring of eac		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 waterfunctions	Minimal level of support wetland/surface wate functions			
.500(6)(a) Locati Landscape Su w/o pres or current 7		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 = 7	usy roads; b) Invasive exotic s = 6 (reduced to proximity of r wynstream flow somewhat limi	ess of contiguous forested Support to wildlife listed i pecies = 8 (minimal cover oads); d) functions that be ted by roads and ditching ologically connected area	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 Par s downstream of assessment area		
.500(6)(b)Water En (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	 soil erosion or deposition = (normal); f) vegetation commation = 7; h) use by animal spectra of and associated with water 	parary turbidity impacts. Income presserverse as a second strain of the form of the second strain of the second st	dividual parameter scores: a) (xpected); c) soil moisture = 7, (padway, adjacent landuses); e) for forested wetland); g)		
.500(6)(c)Communit 1. Vegetation a 2. Benthic Com w/o pres or current 7	and/or	compared to existing forest 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 ality of coarse woody debris, ; , h) topographic features = 7,	eter scores: a) plant comr ler invasive plant species ected); d) age & size distr snag, den, and cavity = 6;	= 7, (very little nuisance species); ibution = 7, (typical of forested f) plant condition = 8, ; g) land		
Score = sum of above s		If preservation as mit	igation,		assessment areas		
uplands, divide t current	by 20)	Preservation adjustm	ent factor =	FL = de	elta x acres =		
pr w/o pres	with 0	Adjusted mitigation d	elta =	FL: 0.01 a	c. x 0.70 = 0.007		
	Ľ	J					
Delta = [with-cu	ırrentl	If mitigation Time lag (t-factor) =		For mitigation	assessment areas		
-0.70	areng	Risk factor =		RFG = delta/(t-fact	or x risk) =		
-0.70							

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number
Gulf NFRC Pha	se 3				W-GC	DL-335
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	lassification (i.e.OFW, AP, other local/state/lederal 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	/ 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, wi veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative ranty in	relation to the
Interstate highway			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)				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			

		Application Number	Assessment	Assessment Area Name or Number		
Gulf NFRC	Phase 3			W-GOL-335		
Impact or Mitigation		,	Assessment conducted by: Assessment date:			
Impact (C	leanng)	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 suppor wetland/surface wate 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	sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limit	ss of contiguous forested Support to wildlife listed i becies = 5 (moderate cov boads); d) functions that b ed by roads and ditching bologically connected area	parcels and conversion to n Part 1 by outside habitats = 6 erage 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; b) water level indicato) soil erosion or deposition = 6 (normal); f) vegetation commu tition = 7; h) use by animal spe of and associated with water	rary turbidity impacts. In ors = 8, (consistent with e δ , (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 structure 1. Vegetation and/or 2. Benthic Community	Clearing of canopy will conv compared to existing forest shrub, or ground stratum = c) regeneration and recruitr	ed system. Individual parame 7, ; b) invasive exotics or oth	eter scores: a) plant comr	significant loss of functional value nunity species in the canopy,		
w/o pres or current with 7 3		ality of coarse woody debris, s h) topographic features = 7,	snag, den, and cavity = 6	 7, (very little nuisance species); ibution = 7, (typical of forested f) plant condition = 8, ; g) land n in submerged aquatic plant 		
w/o pres or current with	management practices = 6, communities = 8 very minor	ality of coarse woody debris, s h) topographic features = 7, r r. gation, ent factor =	anag, den, and cavity = 6 i) siltation or algal growt For impact a	ibution = 7, (typical of forested f) plant condition = 8, ; g) land		
w/o pres or current with 7 3 Score = sum of above scores/30 uplands, divide by 20) current pr w/o pres with	if If preservation as miti	ality of coarse woody debris, s h) topographic features = 7, r r. gation, ent factor =	snag, den, and cavity = 6 i) siltation or algal growt For impact i FL = de	ribution = 7, (typical of forested f) plant condition = 8, ; g) land in in submerged aquatic plant		
w/o pres or current with 7 3 Score = sum of above scores/30 uplands, divide by 20) current pr w/o pres with	if If preservation as miti Preservation adjustme Adjusted mitigation de	ality of coarse woody debris, s h) topographic features = 7, r r. gation, ent factor =	snag, den, and cavity = 6 i) siltation or algal growt For impact i FL = de	ibution = 7, (typical of forested f) plant condition = 8, ; g) land n in submerged aquatic plant		

Site/Project Name			Application Number	Assessment Ar	Assessment Area Name or Number		
				7,0000011011 7.1			
Gu	If NFRC F	Phase 3			W-GOL-335		
Impact or Mitigation			Assessment conducted by:	Assessment conducted by: Assessment 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				
indicator is based on what would be suitable		fully supports	optimal, but sufficient to maintain most	Minimal level of support o wetland/surface water	Condition is insufficient to provide wetland/surface water		
for the type of wetland of	or	wetland/surface water functions	wetland/surface	functions	functions		
surface water assessed	d	Tunotiono	waterfunctions				
.500(6)(a) Location Landscape Supp 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	wnstream flow somewhat limit	ess 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 Envir (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		parary turbidity impacts. Indiverse 8, (consistent with exp 6, (existing erosion from roa unity zonation = 7 (typical for eccies 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)Community s 1. Vegetation and 2. Benthic Commu w/o pres or current 7	d/or	compared to existing forest 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 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 sco		If preservation as mit	igation,		sessment areas		
uplands, divide by 2 current	20)	Preservation adjustm	ent factor =	FL = delta	a x acres =		
pr w/o pres 0.67	with 0	Adjusted mitigation d	elta =	FL: 0.005 ac.	x 0.67 = 0.003		
	-	J					
0.07							
0.07		If mitigation		For mitigation a	ssessment areas		
Delta = [with-curre	ent]	If mitigation Time lag (t-factor) =		For mitigation a			

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	ise 3				W-GO	L-336A	
FLUCCs code	Further classification	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	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>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 palme oweyed grass, cinn	planted sweetgu etto. The namon	d loblolly pine along th Im. The shrub stratum e groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		ng the relative ranty in		
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	/ Listed Species (List :), 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 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			W-GOL-336A		
Impact or Mitigation			Assessment conducted by:	Assessment	ssessment date:		
	Impact (Cle	earing)	M. Harrington		4/16/2019		
Scoring Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
fully supports		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			
.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 limi	ass of contiguous forested Support to wildlife listed in pecies = 5 (moderate cover roads); d) functions that be ted by roads and ditching; ologically connected areas	parcels and conversion to h Part 1 by outside habitats = 6 erage of Lygodium); c) Wildlife enefit fish & wildlife downstream- e) Impacts to wildlife listed in Part s downstream of assessment area		
.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); f) vegetation comm ation = 7; h) use by animal spe of and associated with water	parary turbidity impacts. Incors = 8, (consistent with exect of a consistent with exect of a consistent with exect of a constant	lividual parameter scores: a) spected); c) soil moisture = 7, padway, adjacent landuses); e) for forested wetland); g)		
.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	ed system. Individual parame 7, ; b) invasive exotics or oth nent = 7, (consistent with exp ality of coarse woody debris, , h) topographic features = 7,	eter scores: a) plant commer iner 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		
Score = sum of above sc uplands, divide by current or w/o pres 0.67	· ·	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		ssessment areas Ita x acres =		
Delta = [with-cur		If mitigation Time lag (t-factor) =		For mitigation	assessment areas		

Site/Project Name				Application Number	As	Assessment Area Name or Number		
	Gu	ulf NFRC F	Phase 3				W-GOL-336A	
Impact or I	Mitigation			Assessment conducted by:	As	sessment date	e:	
·	0	Impact (Fill)	M. Harrington			4/16/2019	
Scorin	g Guidance		Optimal (10)	Moderate(7)	Minim	al (4)	Not Present (0	
The sco	oring of each	-	Condition is optimal and	Condition is less than				
indicator is based on fi		fully supports wetland/surface water functions	optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level wetland/sur funct	face water	Condition is insufficie provide wetland/surfact functions		
•	6)(a) Locatior ndscape Supp		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 = 6	sociated with clearing the trar e for wetland forests through le dividual parameter scores: a usy roads; b) Invasive exotic s e = 6 (reduced to proximity of pwnstream flow somewhat lim (adjacent to highway); f) Hyd wnstream areas on assessmen	oss of contiguou) Support to wild species = 5 (moo roads); d) functi ited by roads an rologically conne	is forested par life listed in Pa derate coveragions that bene d ditching; e) ected 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	llife eam- in Par nt area
	b)Water Envii /a for upland:		freshwater marsh, although water levels and flows = 8 consistent with expected; c evidence of fire history = 7 hydrologic stress on veget vegetative species tolerand	mporarily impact the water en h silt fencing will reduce temp (normal; b) water level indicat d) soil erosion or deposition = (normal); f) vegetation comm ation = 7; h) use by animal sp t of and associated with water \langle) existing water quality data =	orary turbidity im tors = 8, (consist 6, (existing eros nunity zonation = pecies with speci quality degrada	pacts. Individual tent with expe- sion from road 7 (typical for fic hydrologica tion = 7; j) dire	dual parameter scores: cted); c) soil moisture = way, adjacent landuses forested wetland); g) al requirements = 7; i) ect observation of water	7, ; e) quality
	c)Community							
	/egetation an enthic Commi		compared to existing fores shrub, or ground stratum = c) regeneration and recruit wetland); e) density and qu	Noter the system to a freshwat ted system. Individual param r, ; b) invasive exotics or ot ment = 7, (consistent with exp jality of coarse woody debris, b, h) topographic features = 7, pr.	eter scores: a) p her invasive plat pected); d) age & snag, den, and	blant commun nt species = 7 & size distribut cavity = 6; f) p	ity species in the canop , (very little nuisance sp tion = 7, (typical of fores plant condition = 8, ; g) li	/, ecies); ted and
		100 (11	If preservation as mit	tigation,	Fo		essment areas	
	m of above sco					FL = delta		
	m of above sco ands, divide by		Preservation adjustm	hent factor =			x acres =	
upla	ands, divide by		Preservation adjustm Adjusted mitigation d			FL: 0.01 ac. x		
upla current or w/o pres	ands, divide by	20) with	Adjusted mitigation d					
upla current or w/o pres 0.67	ands, divide by	20) with 0	,			FL: 0.01 ac. x		

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	ise 3				W-GOI	L-337B	
FLUCCs code	Further classification	ation (optional)		Impact or	r Mitigation Site?	Assessment Area Size	
630				Exi	sting 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	lands			
Assessment area is surrounded by	y forested uplands, and	connects to othe	r wetland systems	s.			
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, 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, cine	f planted sweetgur etto. The namon fe	loblolly pine along th n. The shrub stratum groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		g the relative ranty in	relation to the	
Interstate highway			Not rare in relation to regional landscape				
Functions			Mitigation for pre	evious pe	rmit/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)				T, SSC),	Listed Species (List s , 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 tracks	s, 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 I	Phase 3			W-GOL-337B		
Impact or Mitigation			Assessment conducted by:	Assessment	late.		
impact of willigation	Impact (Cle	earing)	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 less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support wetland/surface water functions				
.500(6)(a) Locat Landscape Su 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 (dc 1 by outside land uses = 6	usy roads; b) Invasive exotic s e = 6 (reduced to proximity of r ownstream flow somewhat limit	ass of contiguous forested Support to wildlife listed in pecies = 5 (moderate cove oads); d) functions that be ted by roads and ditching; ologically connected areas	parcels and conversion to Part 1 by outside habitats = 6 arage of Lygodium); c) Wildlife nefit fish & wildlife downstream- e) Impacts to wildlife listed in Part ownstream of assessment area		
.500(6)(b)Water En (n/a for uplar 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); f) vegetation commation = 7; h) use by animal spectra of and associated with water	prary turbidity impacts. Independent of the second	ividual parameter scores: a) pected); c) soil moisture = 7, adway, adjacent landuses); e) for forested wetland); g)		
.500(6)(c)Communi 1. Vegetation a 2. Benthic Com w/o pres or current 5	and/or	compared to existing fores: 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 forested wetland); e) density a	eter scores: a) plant comm cover); b) invasive exotic itment = 4, (consistent with nd quality of coarse wood = 5, h) topographic feature	or other invasive plant species		
Score = sum of above s uplands, divide l current pr w/o pres 0.60		If preservation as mit Preservation adjustm Adjusted mitigation d	ient factor =		ssessment areas Ita x acres =		
		If mitigation		For mitigation	assessment areas		
Delta = [with-cu	urrent]	Time lag (t-factor) =		RFG = delta/(t-facto	or x risk) =		
-0.10 Risk factor =							

Site/Proje	ect Name			Application Number	Assessmen	Assessment Area Name or Number		
	G	ulf NFRC F	Phase 3			W-GOL-337B		
Impact or	Mitigation			Assessment conducted by:	Assessmen	t date:		
inipuot oi	migaion	Impact (Fill)	M. Harrington	1.00000	4/16/2019		
	ng Guidance coring 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 wetland 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) Locatior ndscape Supp r		landscape support variable herbaceous community. In (reduced by proximity of b access to and from outsic distance or barriers = 7 (c 1 by outside land uses = 6	busy roads; b) Invasive exotic s de = 6 (reduced to proximity of downstream flow somewhat lim	oss of contiguous foreste) Support to wildlife listed species = 5 (moderate co roads); d) functions that I ited by roads and ditching rologically 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 Part as downstream of assessment area		
	(b)Water Envi n/a for upland or		freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = hydrologic stress on vege vegetative species tolerar	d) soil erosion or deposition = 7 (normal); f) vegetation comm tation = 7; h) use by animal sp nt of and associated with water	orary turbidity impacts. Ir 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) Il for forested wetland); g)		
1. `	(c)Community Vegetation an Benthic Comm	d/or	compared to existing fore shrub, or ground stratum = 6, (some nuisance spec distribution = 5, (typical of 4; f) plant condition = 6, ;	sted system. Individual param = 5 (lacking shrubs and ground cies); c) regeneration and recru f forested wetland); e) density a	eter scores: a) plant com dcover); b) invasive exoti litment = 4, (consistent w and quality of coarse woo = 5, h) topographic featu	cs or other invasive plant species		
	um of above sco lands, divide by	· ·	If preservation as m	-		assessment areas		
current		-,	Preservation adjust	ment factor =				
or w/o pres 0.60	s	with 0	Adjusted mitigation	delta =	FL: 0.01 a	ac. x 0.60 = 0.006		
0.00		0]					
			If mitigation		For mitigatio	n assessment areas		
Delta = [with-current] Time lag (t-factor) =								
Dei		eng			RFG = delta/(t-fac	stor v rick)		

Site/Project Name		Application Number	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	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)		
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 cyrpess and loblolly pine along the edges.						
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)			
Interstate highway			No	t rare i	n relation to regional la	andscape
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	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 I	Phase 3			W-GOL-338B		
Impact or Mitigation			Assessment conducted by:	Assessment d	Assessment date:		
impact of miligation	Impact (Cle	earing)	M. Harrington		4/16/2019		
Scoring Guidance The scoring of eac		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is based of what would be suita for the type of wetlan surface water asses	cator is based on would be suitable e type of wetland or Condition is optimal and fully supports wetland/surface water functions		Minimal level of support of 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. In (reduced by proximity of bu access to and from outside distance or barriers = 7 (do 1 by outside land uses = 6	ownstream 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 efit fish & wildlife downstream-) Impacts to wildlife listed in Part downstream of assessment area		
.500(6)(b)Water En (n/a for uplar w/o pres or current 7		freshwater marsh, althougl water levels and flows = 8 consistent with expected; o evidence of fire history = 7 hydrologic stress on veget vegetative species toleram		rary turbidity impacts. Indiv ors = 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) ected); c) soil moisture = 7, dway, adjacent landuses); e) or forested wetland); g)		
.500(6)(c)Communi 1. Vegetation a 2. Benthic Com w/o pres or <u>current</u> 5	and/or	compared to existing fores shrub, or ground stratum = = 6, (some nuisance speci distribution = 5, (typical of 4; f) plant condition = 6, ; g	ted system. Individual parame 5 (lacking shrubs and ground es); c) regeneration and recrui forested wetland); e) density a	eter scores: a) plant commu cover); b) invasive exotics tment = 4, (consistent with nd quality of coarse woody = 5, h) topographic features	or other invasive plant species		
Score = sum of above s uplands, divide l current pr w/o pres 0.60		If preservation as mi Preservation adjustm Adjusted mitigation c	nent factor =		sessment areas a x acres =		
		If mitigation		For mitigation a	ssessment areas		
Delta = [with-cu	irrent]	Time lag (t-factor) =		RFG = delta/(t-factor			
-0.10 Risk factor =							

Site/Project Name		Application Number	er	1	Assessment Area Name	or Number
Gulf NFRC Pha	ise 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 Classification (i.e.OFW, AP, other local/state/lederal 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	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, wi veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	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	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)				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	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	
	RC Phase 3			W-GOL-339	
	1101 11030 3				
Impact or Mitigation		Assessment conducted by:	Assessment da		
Impac	t (Clearing)	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		Condition is insufficient to provide wetland/surface water functions	
.500(6)(a) Location and Landscape Support w/o pres or current wi 6 5	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 - 7; d) Dependency of do		ess of contiguous forested pa Support to wildlife listed in F pecies = 5 (moderate covera oads); d) functions that bene 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 lownstream of assessment area	
.500(6)(b)Water Environme (n/a for uplands) w/o pres or current wi 7 7	freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = 7 hydrologic stress on veger vegetative species tolerar = 6, receives road runoff. penetration = N/A.		parary turbidity impacts. Indiv prs = 8, (consistent with expect 6, (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) r forested wetland); g)	
.500(6)(c)Community struct 1. Vegetation and/or 2. Benthic Community w/o pres or current wi 5 3	Clearing of canopy will con compared to existing fores shrub, or ground stratum = = 6, (some nuisance spec distribution = 5, (typical of 4; f) plant condition = 6, ; y in submerged aquatic plan th	sted system. Individual parame = 5 (lacking shrubs and ground ies); c) regeneration and recrui forested wetland); e) density a	eter scores: a) plant commu cover); b) invasive exotics o itment = 4, (consistent with e nd quality of coarse woody o = 5, h) topographic features	or other invasive plant species expected); d) age & size	
Score = sum of above scores/30 uplands, divide by 20) current pr w/o pres 0.60	The Adjusted mitigation of	nent factor =		essment areas	
	If mitigation			accomment cross	
			For mitigation as		
Delta = [with-current]	Time lag (t-factor) =				

Site/Project Name		Application Number	er	A	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-340A
FLUCCs code	Further classification	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/lederal 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, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	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			Uniqueness (considering the relative rarity in relation to the regional landscape.)			
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 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 trac	ks, 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 suitable for wetland/surface water functions Condition is less than of fully supports wetlend/suiface water functions Minimal level of support of wetland's urface water functions Condition is less than of fully supports wetlend/surface Condition is less than of fully supports wetlend/surface Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of functions Condition is less than of fully support of fully su		sessment Area Name or Number		Application Number			ct Name	Site/Proje
Impact or Mitigation Assessment conducted by: M. Harrington 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 Prese 4/16/2019 .500(6)(a) Location and Landscape Support Exist on the top provinty of busine tortic type of wetland or surface water assessed Loss of canopy species associated with clearing the transmission line ROW would reduce the location a landscape support variable for wetland forests through loss of contiguous forested parcels and conversis therbaceous community. Individual parameter scores: a) Support to would reduce the location a landscape support variable for wetland forests through loss of contiguous forested parcels and conversis therbaceous community. Individual parameter scores: a) Support touctors that benefit lish & wildlife distance or burries = 7 (downstream flow somewhat limited by roads; and inclusion; a) Impacts to wildlife distance or burries = 7 (downstream flow somewhat limited by roads; and inclusion; and parameter scores = 0; existing resolution; and addiscurface water levels and flows = 8 (normai; b) water level indicators = 8, (consistent with expected; c) soil mostio consistent with expected; d) soil ensoin or ordpoysition = 6; (existing version models), adjacent land evidence of fire history = 7 (normal); 1) vegetation community degradation = 7; 1) direct observation of e.500(6)(c)(Community structure Clearing of canopy will convert the system to a freshwater march community with significant loss of func compared for existing forested system. Individual parameter scores; a) plant community weeketed; c) soil mostio endering of canopy will convert the system to a freshwater march comm		W-GOL-340A			Phase 3	If NFRC Ph	Gu	
Impact (Clearing) M. Harrington 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 Prese provide wetland's optimal, but sufficient to maintain most 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 a landscape support variable for wetland forests through loss of contiguous forested parcels and conversis herbaceous community. Individual parameter scores: a) Support to would reduce the location a landscape Support wo pres or current twitt b outside land uses = 6 (adjacent to highway); 1 Hydrologically connected areas downstream of asses = 7; g) Dependency of downstream flow somewhat limited by roads; and inclusions that benefit fish & wildlife to outside land uses = 6 (adjacent to highway); 1 Hydrologically connected areas downstream of asses = 7; g) Dependency of downstream areas on assessment area = 6 (downstream flow sets) and indicators = 8, (consistent with expected); c) soil mostion restrict with expected; 0 is oil ension or odeposition = 6, (existing areas in rotave), adjacent land evidence of fire history = 7 (normal); 1) wegetation community zontation = 7 (tylical for forested wetland); hydrologic is restory using water quality data = N/A; 1) water depth wave, wave energy, current entrent 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 func compareto existing forested system. Individual parameter scores; a) plan				Assessment conducted by:				Impact or
The scoring of each indicator is based on what would be suitable for the type of wetland or sufface water assessed Condition is is optimal and fully supports Condition is less than on fully supports Minimal level of support of wetlands/surface water functions Condition is less than on fully supports surface water assessed Sou(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the location a landscape support variable for wetland forests through loss of contiguous forested parcels and conversite accourage of Lygodum). w/o pres or current with .500(6)(b)Water Environment (n/a for uplands) 6 (adjacent to highway); 1 Hydrologically converting forested system in freshwater marsh, although silt feoring will reduce temporary turbidity impacts. Individual parameters = 7; g) Dependency of downstream areas on assessment area = 6 (downstream areas somewhat limited by rocadisty of Lygodum); hydrological requirements = 7; normal; h) water level indicators = 8, (consistent with expected); o) soil moist consistent with expected; d) soil lerosion or deposition = 6, (existing recision form cadway, adjacent land evidence of life history = 7; normal; h) water quality degradation = 7; Diroradis(h) your anion = 7; Diyola for forested water is species in the or forest water is position = 7; Diroradis(h) to vegetation and requirements = 7; logical forested water is species in the community contion = 7; Diroradis(h) your equility degradation = 7; Diroradis(h) your equility degradation = 7; Diroradis(h); Divasive exotics or other invising exist and forw = 6 (adjacent to water quality degradation = 7; Diroradis(h); Divasive exotics or other invising exist and fow = 8 (normal; b) water level indicators = 8, (consisten					aring)	npact (Clea	-	impact of
The scoring of each indicator is based on what would be suitable for the type of wetland or sufface water assessed Condition is is optimal and fully supports Condition is less than on fully supports Minimal level of support of wetlands/surface water functions Condition is less than on fully supports surface water assessed Sou(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the location a landscape support variable for wetland forests through loss of contiguous forested parcels and conversite accourage of Lygodum). w/o pres or current with .500(6)(b)Water Environment (n/a for uplands) 6 (adjacent to highway); 1 Hydrologically converting forested system in freshwater marsh, although silt feoring will reduce temporary turbidity impacts. Individual parameters = 7; g) Dependency of downstream areas on assessment area = 6 (downstream areas somewhat limited by rocadisty of Lygodum); hydrological requirements = 7; normal; h) water level indicators = 8, (consistent with expected); o) soil moist consistent with expected; d) soil lerosion or deposition = 6, (existing recision form cadway, adjacent land evidence of life history = 7; normal; h) water quality degradation = 7; Diroradis(h) your anion = 7; Diyola for forested water is species in the or forest water is position = 7; Diroradis(h) to vegetation and requirements = 7; logical forested water is species in the community contion = 7; Diroradis(h) your equility degradation = 7; Diroradis(h) your equility degradation = 7; Diroradis(h); Divasive exotics or other invising exist and forw = 6 (adjacent to water quality degradation = 7; Diroradis(h); Divasive exotics or other invising exist and fow = 8 (normal; b) water level indicators = 8, (consisten						· 、		
indicator is based on what would be suitable tor the type of wetland or surface water assessed optimal, but sufficient to wetland/surface water functions Minimal level of support of wetland/surface water functions Condition is inspected on the suitable of the support of wetland/surface water functions Condition is inspected on the suitable of the support of wetland/surface water functions Condition is inspected on the suitable of the support of wetland/surface water functions Condition is inspected on the support of wetland/surface water functions Condition is inspected on the support of wetland/surface water functions Condition is inspected on the support of wetland/surface water functions Condition is inspected on the support of wetland/surface water functions Condition is inspected on the support of wetland/surface water functions Condition is inspected on the support of the support of functions Condition is inspected on the support of the support	t (0)	al (4) Not Present	Condition is less than optimal, but sufficient to maintain most wetland/surface discussion functions		Optimal (10)	\exists		
.500(6)(a) Location and Landscape Support Iandscape support variable for wetland forests through loss of contiguous forested parcels and conversis herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outside ha (reduced by proximity of busy roads; b) Invasive exotic species = 6 (moderate coverage of Lygodium); c access to and from outside = 6 (reduced to proximity of roads); d) functions that benefit fish & wildlife do distance or barriers = 7 (downstream flow somewhat limited by roads and diching; e) Impacts to wildlife 1 by outside land uses = 6 (adjacent to highway); f) Hydrologically connected areas downstream of asse = 7; g) Dependency of downstream areas on assessment area = 6 (downstream areas somewhat depen freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter sco with a for uplands) .500(6)(b)/Water Environment (n/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system 1 freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter sco 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); hydrodogic stress or vegetation = 7; h) use by animal species with specific hydrological regurements = 1 vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of e 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, current penetration = N/A. 1. Vegetation and/or 2. Benthic Community Clearing of canopy will convert the system to a freshwater marsh community with significant loss of func compared to existing forested system. Individual par	Irface wate	face water provide wetland/surfa			fully supports wetland/surface water	or	or is based on uld be suitable be of wetland o	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 parameter sco water 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 = 7 vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of e 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, curren 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 func compared to existing forested system. Individual parameter scores: a) plant community species in the c shrub, or ground stratum = 5 (lacking shrubs and groundcover); b) invasive exotics or other invasive platistribution = 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 a communities = 7 (normal).	n to vitats = 6 Wildlife vnstream- sted in Pa sment are	is forested parcels and conversion the life listed in Part 1 by outside habita derate coverage of Lygodium); c) W ons that benefit fish & wildlife downs d ditching; e) Impacts to wildlife liste acted areas downstream of assessm	ss of contigu Support to v pecies = 5 (n oads); d) fun ted by roads ologically con	for wetland forests through lo lividual parameter scores: a) sy roads; b) Invasive exotic s = 6 (reduced to proximity of r wnstream flow somewhat limi (adjacent to highway); f) Hydr	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 (and la ort h (r a with 1	ndscape Supp	La w/o pres o current
1. Vegetation and/or 2. Benthic Community 2. Benthic Community Status w/o pres or Current 0 3	res: a) re = 7, uses); e) g) (i) vater qualit	water levels and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moistu 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 v = 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, current penetration = N/A.				n/a for uplands	w/o pres o current	
	nopy, nt species e n = 7, ; g)	blant community species in the canonic sive exotics or other invasive plant stent with expected); d) age & size n , and cavity = 5; f) plant condition =	eter scores: a cover); b) in nent = 5, (cor ebris, snag, o	ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitn ind quality of coarse woody d	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices	C c s unity = la c with	Vegetation and enthic Commu	1. 2. B w/o pres o current
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 = or w/o pres with 0.60 0.5		FL = delta x acres =		ent factor =	Preservation adjustme	20) with	ands, divide by :	upl current or w/o pres
If mitigation					If mitigation			
Delta = [with-current] Time lag (t-factor) = For mitigation assessment areas		mitigation assessment areas	F			ent]	ta = [with-curre	Del
-0.10 Risk factor = RFG = delta/(t-factor x risk) =		elta/(t-factor x risk) =	RFG =		Risk factor =		-0.10	

Site/Project Name			Application Number	Assessment Ar	ea Name or Number	
					l l	
Gulf NFRC Phase 3					W-GOL-340A	
Impact or Mitigation			Assessment conducted by:	Assessment da	te:	
	Impact (Fill)	M. Harrington		4/16/2019	
Scoring Guidance	_	Optimal (10)	Moderate(7)	Moderate(7) Minimal (4)		
The scoring of each	-	Condition is optimal and	Condition is less than		Not Present (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	or	wetland/surface water functions	wetland/surface	functions	functions	
surface water assesse	d		waterfunctions			
.500(6)(a) Locatior Landscape Supp 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 = 6		oss of contiguous forested p Support to wildlife listed in l pecies = 5 (moderate cover 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 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)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 sco- 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 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 w e 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, current penetration = N/A.70					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 1. Vegetation and 2. Benthic Commu w/o pres or current 5	d/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 5); c) regeneration and recruitm and quality of coarse woody d	eter scores: a) plant commu lcover); b) invasive exotics nent = 5, (consistent with ex ebris, snag, den, and cavity	or other invasive plant species pected); d) age & size	
Score = sum of above sco		If preservation as mit	tigation,		sessment areas	
uplands, divide by current	∠∪)	Preservation adjustm	nent factor =	FL = delta	a x acres =	
pr w/o pres	with 0	Adjusted mitigation d	lelta =	FL: 0.01 ac. :	k 0.60 = 0.006	
	-	l				
		If mitigation		For mitigation a	ssessment areas	
Delta = [with-curr	ent]	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-GC	DL-341
FLUCCs code	Further classifica	ation (optional)		Impact	t or Mitigation Site?	Assessment Area Size
524				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	trologic connection with	wetlands, other	surface water, upl	ands		
Assessment area is surrounded by	low density residential	development, do	es not connect to	wetlar	nds	
Assessment area description						
This a beaver pond, consisting mo and interior. Surrounded by a traile			cally connected to	any ot	her wetlands.	
Significant nearby features			Uniqueness (considering the relative rarity in relation to the regional landscape.)			
Interstate highway and other roads			No	t rare i	n relation to regional la	andscape
Functions			Mitigation for pre	vious p	permit/other historic us	e
Wildlife habitat, wat	er 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	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 Ar	Assessment Area Name or Number		
Gulf NF	RC Phase 3			W-GOL-341		
		Accessment conducted by:	Assessment conducted by: Assessment da			
Impact or Mitigation	(Clearing)	Assessment conducted by: M. Harrington	Assessment da	te: 4/16/2019		
impuo	(Oldaning)			4,10,2013		
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	d optimal, but sufficient to	maintain most wetland/surface water wetland/surface functions			
.500(6)(a) Location and Landscape Support w/o pres or current wi 6 5	landscape support variab herbaceous community. I (reduced by proximity of l access to and from outsid distance or barriers = 7 (o in Part 1 by outside land	associated with clearing the trans ole for wetland forests through lo Individual parameter scores: a) busy roads); b) Invasive exotic s de = 6 (reduced to proximity of r downstream flow somewhat limit uses = 6 (adjacent to highway); isolated); g) Dependency of dow	ss of contiguous forested p Support to wildlife listed in l species = 5 (moderate cover oads); d) functions that ben ted by roads and development f) Hydrologically connected	arcels and conversion to Part 1 by outside habitats = 6 rage of Lygodium); c) Wildlife efit fish & wildlife downstream- ent; e) Impacts to wildlife listed areas downstream of		
.500(6)(b)Water Environme (n/a for uplands) w/o pres or current wi 7 7	nt freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = hydrologic stress on vege vegetative species tolera = 6, receives road runoff. penetration = N/A.	temporarily impact the water env gh silt fencing will reduce tempo 8 (normal; b) water level indicato ; d) soil erosion or deposition = 6 7 (normal); f) vegetation commu- etation = 7; h) use by animal spe- int of and associated with water . K) existing water quality data =	arary turbidity impacts. Indiv brs = 8, (consistent with exp β , (existing erosion from roa unity zonation = 7 (typical fo becies with specific hydrologie quality degradation = 7; j) d	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 struct						
1. Vegetation and/or 2. Benthic Community w/o pres or current wi 6	compared to existing fore shrub, or ground stratum = 7, (few nuisance specie distribution = 5; e) density land management practic communities = 7 (normal	powert the system to a freshwate ested system. Individual parame = 5 (lacking shrubs and ground es); c) regeneration and recruitm y and quality of coarse woody do ces = 5, h) topographic features).	eter scores: a) plant commu cover); b) invasive exotics nent = 5, (consistent with ex ebris, snag, den, and cavity	nity species in the canopy, or other invasive plant species bected); d) age & size = 5; f) plant condition = 7, ; g)		
2. Benthic Community w/o pres or current wi	compared to existing fore shrub, or ground stratum = 7, (few nuisance specie distribution = 5; e) density land management practic communities = 7 (normal) (if If preservation as m Preservation adjust Adjusted mitigation	ested system. Individual parame = 5 (lacking shrubs and ground es); c) regeneration and recruitm y and quality of coarse woody do ces = 5, h) topographic features). nitigation, tment factor =	eter scores: a) plant commu cover); b) invasive exotics nent = 5, (consistent with ex ebris, snag, den, and cavity = 7, ; i) siltation or algal gro For impact ass	nity species in the canopy, or other invasive plant species bected); d) age & size = 5; f) plant condition = 7, ; g)		
2. Benthic Community w/o pres or current wi 6 6 Score = sum of above scores/3(uplands, divide by 20) current pr w/o pres wi	compared to existing fore shrub, or ground stratum = 7, (few nuisance specie distribution = 5; e) density land management practic communities = 7 (normal) (if If preservation as m Preservation adjust Adjusted mitigation	ested system. Individual parame = 5 (lacking shrubs and ground es); c) regeneration and recruitm y and quality of coarse woody do ces = 5, h) topographic features). nitigation, tment factor =	eter scores: a) plant commu cover); b) invasive exotics hent = 5, (consistent with ex ebris, snag, den, and cavity = 7, ; i) siltation or algal gro	nity species in the canopy, or other invasive plant species bected); d) age & size = 5; f) plant condition = 7, ; g) with in submerged aquatic plant		
2. Benthic Community w/o pres or current wi 6 6 Score = sum of above scores/3(uplands, divide by 20) current pr w/o pres wi	compared to existing fore shrub, or ground stratum = 7, (few nuisance specie distribution = 5; e) density land management practic communities = 7 (normal) (if If preservation as m Preservation adjust Adjusted mitigation	ested system. Individual parame = 5 (lacking shrubs and ground es); c) regeneration and recruitm y and quality of coarse woody do ces = 5, h) topographic features). <u>nitigation,</u> tment factor = delta =	eter scores: a) plant commu cover); b) invasive exotics hent = 5, (consistent with ex ebris, snag, den, and cavity = 7, ; i) siltation or algal gro	nity species in the canopy, or other invasive plant species bected); d) age & size = 5; f) plant condition = 7, ; g) with in submerged aquatic plant		

Site/Project Name		Application Number	er	Ass	sessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GOI	L-342A
FLUCCs code	Further classifica	ation (optional)		Impact or	Mitigation Site?	Assessment Area Size
630				Exis	sting 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	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>Thelvoteris</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, cinn	planted lesweetgum etto. The namon fe	oblolly pine along th n. The shrub stratum groundcover compri rn, 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 pre	evious per	rmit/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)				T, SSC),	isted Species (List s type of use, and inte	
Wading bir	rds, herpetofauna), little blu		h as white ibis (SSC), wy egret (SSC), and
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as tracks	s, 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	Dhaca 3			W-GOL-342A
Impact or Mitigation		Assessment conducted by:	Assessment	
Impact (Cle	anng)	M. Harrington		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		
.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 limit	ess of contiguous forested Support to wildlife listed i pecies = 5 (moderate cov oads); 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- 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 (r consistent with expected; d) evidence of fire history = 7 (hydrologic stress on vegetar vegetative species tolerant	normal; b) water level indicato o soil erosion or deposition = 6 (normal); f) vegetation commu- tion = 7; h) use by animal spe of and associated with water	parary turbidity impacts. Income presserverse as a second strain of the form of the second strain of the second st	dividual parameter scores: a) xpected); c) soil moisture = 7, badway, 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 6 6	compared to existing foreste shrub, or ground stratum = nuisance species); c) regen distribution = 6; e) density a	ed system. Individual parame 7 (consistent with expected); eration and recruitment = 5, (ind quality of coarse woody do	eter scores: a) plant comr b) invasive exotics or oth (canopy species lacking re ebris, snag, den, and cav	er invasive plant species = 7, (few
Score = sum of above scores/30 (if uplands, divide by 20) current	If preservation as mitig Preservation adjustme Adjusted mitigation de	ent factor =		assessment areas elta x acres =
or w/o pres with 0.63 0.6				
	If mitigation		For mitigation	assassment areas
			For mitigation	assessment areas

Site/Project Name		Application Numbe	er	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				Existing Condition			
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classification (i.e.OFW, AP, other local/state/lederal designation of impo				
Ochlockonee River							
Geographic relationship to and hyd	drologic connection with	n wetlands, other	surface water, upl	ands			
Assessment area is surrounded by	v commercial developm	ent and roads, ar	nd 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 swamı maple, loblolly pine, sw fetterbush, needlepalm	o chestnut oak, wi veetbay, Americar , Florida anise, ar	ith occurrences of hornbeam, and s hd bluestem palme	planted loblolly pine along th sweetgum. The shrub stratum etto. The groundcover compr	e edges. The 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 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)				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	r 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	Asse	ssment Are	a Name or Number	
					Soment / Tee	1	
Gulf N	NFRC P	hase 3				W-GOL-343	
Impact or Mitigation			Assessment conducted by:	Asse	essment date	9:	
Impa	act (Clea	aring)	M. Harrington			4/16/2019	
Scoring Guidance	г	Optimal (10)	Moderate(7)	Minima	(4)	Not Present (0	\
The scoring of each	ŀ	Condition is optimal and	Condition is less than	Winning	(+)	Not resent (0)	,
indicator is based on what would be suitable		fully supports	optimal, but sufficient to maintain most	Minimal level of wetland/surfa	••	Condition is insufficie provide wetland/surface	
for the type of wetland or		wetland/surface water functions	wetland/surface	functio		functions	e water
surface water assessed	L	Tunctions	waterfunctions				
.500(6)(a) Location ar Landscape Support w/o pres or current 6	nd with	landscape support variable herbaceous community. Ind (reduced by proximity of bu Lygodium); c) Wildlife acce wildlife downstream-distand wildlife listed in Part 1 by or	sociated with clearing the tran e for wetland forests through lo dividual parameter scores: a) usy roads and development); h ess to and from outside = 6 (re ce or barriers = 7 (downstrean utside land uses = 6 (adjacen Dependency of downstream	oss of contiguous Support to wildlif b) Invasive exotic educed to proximit n flow somewhat I t to highway); f) H	forested par e listed in Pa species = 5 cy of roads); imited by roa ydrologically	rcels and conversion to art 1 by outside habitats (moderate coverage of d) functions that benefit ads and ditching; e) Imp v connected areas down	s = 6 t fish & pacts to
 Sou(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 scourses and flows = 8 (normal; b) water level indicators = 8, (consistent with expected); c) soil moisture on sistent with expected; d) soil erosion or deposition = 6, (existing erosion from roadway, adjacent landle 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. 					Jual parameter scores: cted); c) soil moisture = way, adjacent landuses forested wetland); g) al requirements = 7; i) ect observation of water	7,); e) r quality	
.500(6)(c)Community stru 1. Vegetation and/or 2. Benthic Communit w/o pres or <u>current</u> 5	r :y	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density a	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) pla dcover); b) invasiv nent = 5, (consiste lebris, snag, den,	ant communi ve exotics or ent with expe and cavity =	ity species in the canopy r other invasive plant sp ected); d) age & size 5; f) plant condition = 7	y, pecies 7, ; g)
Score = sum of above scores	/30 (if	If preservation as mit	igation,	For	impact asse	essment areas	
uplands, divide by 20)		Preservation adjustm			FL = delta		
current pr w/o pres	with						
	0.5	Adjusted mitigation d	elta =				
0.00	5.0					_	
		If mitigation		Form	itidation as		
						sessment areas	
Delta = [with-current]]	Time lag (t-factor) =		10111	illigation as	sessment areas	

Site/Project Name		Application Number	er	1	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	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>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	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	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)				T, SSC	y Listed Species (List s C), type of use, and inte	
Wading bir	ds, herpetofauna), little I	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			

Cite/Droject Norse		Application Number	A accomment A r			
Site/Project Name		Application Number	Assessment Are	Assessment Area Name or Number		
Gulf NFRC F	hase 3			W-GOL-344		
Impact or Mitigation		Assessment conducted by:	Assessment da	te:		
Impact (Cle	aring)	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	Condition is optimal and fully supports	optimal, but sufficient to	Minimal level of support of	Condition is insufficient to		
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	Tunctions	Tunctions		
<u>_</u>						
.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 oads); d) functions that bene ed by roads and ditching; e) blogically connected areas d	arcels and conversion to Part 1 by outside habitats = 6 age of Lygodium); c) Wildlife offit 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	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 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 commun cover); b) invasive exotics of eent = 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)	If preservation as mitig	gation,	For impact ass FL = delta			
current	Preservation adjustme	ent factor =		x autes =		
or w/o pres with	Adjusted mitigation de	elta =				
0.60 0.5						
	ļ					
	If mitigation		For mitigation as	sessment areas		
Delta = [with-current]	Time lag (t-factor) =					
-0.10	Risk factor =		RFG = delta/(t-factor	x risk) =		

Site/Project Name			Application Number	Assessment	Area Name or Number
				Assessment	
Gulf	NFRC P	C Phase 3			W-GOL-344
Impact or Mitigation			Assessment conducted by:	Assessment	date:
	Impact (I	Fill)	M. Harrington		4/16/2019
Scoring Guidance	ו ד	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 wetland/surface water	
for the type of wetland or		wetland/surface water functions	wetland/surface	functions	functions
surface water assessed		Tunctions	waterfunctions		
.500(6)(a) Location a Landscape Suppor 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 forested Support to wildlife listed in becies = 5 (moderate covo oads); d) functions that be ed by roads and ditching; blogically connected areas	parcels and conversion to n Part 1 by outside habitats = 6 erage of Lygodium); c) Wildlife enefit fish & wildlife downstream- e) Impacts to wildlife listed in Part s downstream of assessment area
.500(6)(b)Water Enviro (n/a for uplands) w/o pres or current 7	nment with 0	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. Income ors = 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 st 1. Vegetation and/ 2. Benthic Commun w/o pres or current 5	or iity	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 comn cover); b) invasive exotic lent = 5, (consistent with e ebris, snag, den, and cavi	s or other invasive plant species
Score = sum of above score		If preservation as mit	igation,		ssessment areas
uplands, divide by 20 current	וי	Preservation adjustm	ent factor =		lta x acres =
or w/o pres 0.60	with 0	Adjusted mitigation d	elta =	FL: 0.015 a	c. x 0.60 = 0.009
		If mitigation		For mitigation	assessment areas
Delta = [with-currer	nt]	Time lag (t-factor) =			
				RFG = delta/(t-fact	or v rick) –

Site/Project Name		Application Number	er	ŀ	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-346B
FLUCCs code	Further classification	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)
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, wi veetbay, Americar , Florida anise, ar	th occurrences of hornbeam, and s ad bluestem palme oweyed grass, cin	planteesweetgu 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	evious p	permit/other historic us	9
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), 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	Assessment Ar	ea Name or Number
	RC Phase 3			W-GOL-346B
Impact or Mitigation		Assessment conducted by:	Assessment da	
Impact	(Clearing)	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 witt 6 5	landscape support variable herbaceous community. In (reduced by proximity of b access to and from outside distance or barriers = 7 (de 1 by outside land uses = 6		ass of contiguous forested paragraphic states of contiguous forested paragraphic states of the state	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 downstream of assessment area
.500(6)(b)Water Environme (n/a for uplands) w/o pres or current wit 7 7	freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = 7 hydrologic stress on veget vegetative species toleran = 6, receives road runoff. I penetration = N/A.		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 structu 1. Vegetation and/or 2. Benthic Community w/o pres or current witt 5 3	Clearing of canopy will cor compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density land management practice communities = 7 (normal).	sted system. Individual parame = 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 commu cover); b) invasive exotics 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 uplands, divide by 20) current or w/o pres with 0.60 0.5	Preservation adjustr	nent factor =		essment areas a x acres =
	If mitigation			
				accoment areas
Delta = [with-current]	Time lag (t-factor) =			ssessment areas

Site/Project Name			Application Number		Assessment Are	a Name or Number	
				,			
Gi	ulf NFRC F	Phase 3				W-GOL-346B	
Impact or Mitigation			Assessment conducted by:	ŀ	Assessment date	9:	
	Impact (Fill)	M. Harrington			4/16/2019	
Scoring Guidance		Optimal (10)	Moderate(7)	Min	imal (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		el of support of surface water	Condition is insufficier provide wetland/surface	
for the type of wetland	or	wetland/surface water functions	wetland/surface		nctions	functions	water
surface water assesse	ed	Tunctions	waterfunctions				
.500(6)(a) Location Landscape Supp 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 r wnstream flow somewhat limit (adjacent to highway); f) Hydr nstream areas on assessmen	ss of contigu Support to w pecies = 5 (m roads); d) func- ted by roads a ologically con	ous forested par ildlife listed in Pa noderate coverag ctions that benef and ditching; e) inected areas do	cels and conversion to art 1 by outside habitats = ge of Lygodium); c) Wildli fit fish & wildlife downstre Impacts to wildlife listed i ownstream of assessmen	ife ⊧am- n Part
.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	nporarily impact the water env silt 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 er unity zonatior ecies with spe quality degra	impacts. Individ istent with exper- osion from road n = 7 (typical for ecific hydrologica dation = 7; j) dire	Jual parameter scores: a cted); c) soil moisture = 7 way, adjacent landuses); forested wetland); g) al requirements = 7; i) ect observation of water c	ć, e) quality
.500(6)(c)Community 1. Vegetation an 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	vert the system to a freshwate ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitr and quality of coarse woody d s = 5, h) topographic features	eter scores: a lcover); b) inv nent = 5, (con ebris, snag, d	 plant communi- vasive exotics or sistent with expension len, and cavity = 	ity species in the canopy, r other invasive plant spe ected); d) age & size : 5; f) plant condition = 7,	; cies ; g)
Score = sum of above sco		If preservation as miti	gation,		For impact asse		
uplands, divide by current	20)	Preservation adjustme	ent factor =		FL = delta	x acres =	
pr w/o pres	with 0	Adjusted mitigation de	elta =		FL: 0.03 ac. x	0.60 = 0.018	
5.00	Ű	J					
		If mitigation		F	or mitigation as	sessment areas	
Delta = [with-curr	rent]	Time lag (t-factor) =			-		
-0.60		Risk factor =		RFG =	delta/(t-factor x	risk) =	
				L			

Site/Project Name		Application Number	er	/	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GOI	L-347C
FLUCCs code	Further classification	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	al 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	/ 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, wi veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	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 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)				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	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	ea Name or Number
	C Phase 3			W-GOL-347C
Impact or Mitigation		Assessment conducted by:	Assessment da	
impact (Clearing)	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 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. 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	ass 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 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 prs = 8, (consistent with exp 6, (existing erosion from roa unity zonation = 7 (typical for eccies with specific hydrologi quality degradation = 7; j) d	ridual parameter scores: a) ected); c) soil moisture = 7, dway, adjacent landuses); e) r 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 forest shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density s	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 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) current pr w/o pres with	(if If preservation as mit Preservation adjustm Adjusted mitigation d	ient factor =		sessment areas a x acres =
0.60 0.5				
	If mitigation		For mitigation a	
	If mitigation Time lag (t-factor) =		For mitigation a	ssessment areas

Site/Project Name		Application Number	Assessment Ar	ea Name or Number
Gulf NF	RC Phase 3			W-GOL-347C
Impact or Mitigation				
	act (Fill)	Assessment conducted by: M. Harrington	Assessment da	4/16/2019
				1,10,2010
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 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 wi 6 C	landscape support variable herbaceous community. In (reduced by proximity of b access to and from outsid distance or barriers = 7 (d 1 by outside land uses = 6 = 7 c) Dependency of do		bass of contiguous forested pa Support to wildlife listed in F pecies = 5 (moderate covera roads); d) functions that ben ted by roads and ditching; e) rologically connected areas	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 Par downstream of assessment area
.500(6)(b)Water Environme (n/a for uplands) w/o pres or current wi 7 C	 freshwater marsh, althoug water levels and flows = 8 consistent with expected; evidence of fire history = 7 hydrologic stress on vege vegetative species tolerar = 6, receives road runoff. penetration = N/A. 		prary turbidity impacts. Indiv ors = 8, (consistent with exp 6, (existing erosion from roa- unity zonation = 7 (typical fo ecies 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 struct 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> 5	Clearing of canopy will co compared to existing fore: shrub, or ground stratum = = 7, (few nuisance specie distribution = 5; e) density land management practic communities = 7 (normal)		eter scores: a) plant communicover); b) invasive exotics of nent = 5, (consistent with expertise, snag, den, and cavity	nity species in the canopy, or other invasive plant species bected); d) age & size
Score = sum of above scores/30 uplands, divide by 20) current pr w/o pres wi 0.60	Preservation adjustr	ment factor =	FL = delta	x acres = x 0.60 = 0.009
	If mitigation			
	J			second areas
Delta = [with-current]	Time lag (t-factor) =		For mitigation as	ssessment areas

Site/Project Name		Application Number	er	1	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				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	drologic connection with	h 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	p chestnut oak, wi veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cine	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ing the relative ranty 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)				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	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	Asse	essment Area	a Name or Number	
	Gu	ulf NFRC F	² hase 3				W-GOL-348	
Impact or	Mitigation			Assessment conducted by:	- Asse	essment date	2.	
inipaot of	-	mpact (Cle	earing)	M. Harrington			4/16/2019	
	ng Guidance coring of each		Optimal (10)	Moderate(7) Condition is less than	Minima	l (4)	Not Present (0)
indicato what wo for the typ	puld 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			Condition is insufficie provide wetland/surfac functions	
	(6)(a) Locatior ndscape Supp or		landscape support variable herbaceous community. Ir (reduced by proximity of b c) Wildlife access to and f wildlife downstream-distant wildlife listed in Part 1 by c	ssociated with clearing the tran e for wetland forests through k ndividual parameter scores: a) yousy roads and railroad; b) Inva rom outside = 5 (reduced to pr nee or barriers = 5 (downstrear putside land uses = 5 (adjacen nt area = 5; g) Dependency of int).	oss of contiguous) Support to wildlif asive exotic speci- roximity of roads a m flow somewhat nt to highway and	forested par re listed in Pa es = 5 (mode and railroad; limited by roa railway); f) H	rcels and conversion to art 1 by outside habitats erate coverage of Lygoo d) functions that benefi ads and ditching; e) Imp ydrologically connected	s = 6 dium); t fish & pacts to l areas
()	(b)Water Envii 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	emporarily impact the water en- th silt fencing will reduce tempora- (normal; b) water level indicat d) soil erosion or deposition = 7 (normal); f) vegetation commi- tation = 7; h) use by animal sp at of and associated with water K) 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 experion from roads (typical for c hydrologica on = 7; j) dire	tual parameter scores: cted); c) soil moisture = way, adjacent landuses forested wetland); g) al requirements = 7; i) ect observation of water	7,); e) quality
1.	c)Community Vegetation an Benthic Commu	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	neter scores: a) pla dcover); b) invasi ment = 5, (consist debris, snag, den,	ant communi ve exotics or ent with expe and cavity =	ity species in the canop r other invasive plant sp ected); d) age & size s; f) plant condition = 7	y, becies 7, ; g)
	um of above sco lands, divide by s		If preservation as mi Preservation adjustr Adjusted mitigation o	ment factor =	For	impact asse FL = delta	essment areas x acres =	
			If mitigation		_			
			ii miligation		For n	nitigation ass	sessment areas	
Del	lta = [with-curr	ent]	Time lag (t-factor) =			hitigation ass		

Site/Project Name		Application Number	er		Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GC	DL-353
FLUCCs code	Further classification	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	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	.		
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	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca			
Interstate highway			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)				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	Assessment /	Area Name or Number	
G	Gulf NFRC F	Phase 3			W-GOL-353	
Impact or Mitigation			Assessment conducted by:	Assessment	late:	
	Impact (Cle	earing)	M. Harrington	M. Harrington 4/16/2019		
Scoring Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)	
The scoring of each 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	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) Locatic Landscape Sup w/o pres or <u>current</u> 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 (adjac	sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi	oss of contiguous forested 9 Support to wildlife listed in 9 species = 9 (negligible cover tions that benefit fish & wild s and ditching; e) Impacts ically 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 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) soil erosion or deposition = (normal); f) vegetation comm tition = 7; h) use by animal sp of and associated with water	prary turbidity impacts. Indo 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) for 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 forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual param 5 (lacking shrubs and ground ; c) regeneration and recruitn and quality of coarse woody d	eter scores: a) plant comm dcover); b) invasive exotic: nent = 5, (consistent with e lebris, snag, den, and cavit	s or other invasive plant species	
Score = sum of above so uplands, divide by current	· ·	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		ssessment areas Ita x acres =	
or w/o pres 0.63	0.5					
· ·		If mitigation Time lag (t-factor) =		For mitigation	assessment areas	

Site/Project Name Application N			ber Assessment Area Name or Number			or Number
Gulf NFRC Pha	se 3				W-GC	DL-355
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	al 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, cine	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features	regional landsca		ing the relative failty in			
Interstate highway			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)				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 /	Assessment Area Name or Number		
G	ulf NFRC F	Phase 3			W-GOL-355		
Impact or Mitigation			Assessment conducted by:	ducted by: Assessment date:			
	Impact (Clearing) M. Harrington 4/16/2019			4/16/2019			
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 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 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	ss of contiguous forested Support to wildlife listed in pecies = 9 (negligible cove ions that benefit fish & wild s 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 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); f) vegetation comm ation = 7; h) use by animal spe of and associated with water	prary turbidity impacts. Indo 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)		
.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	ed system. Individual parame 5 (lacking shrubs and ground t; c) regeneration and recruitn and quality of coarse woody d	eter scores: a) plant comm lcover); b) invasive exotic nent = 5, (consistent with e ebris, snag, den, and cavit	s or other invasive plant species		
Score = sum of above sc uplands, divide by current pr w/o pres	· ·	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		ssessment areas Ita x acres =		
0.63							
0.63 Delta = [with-cur		If mitigation Time lag (t-factor) =		For mitigation	assessment areas		

Site/Project Name Application N			ber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	se 3				W-GOL	-AA-356	
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	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	/ 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	th occurrences of hornbeam, and s ad 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 (considering the relative rarity in relation to the regional landscape.)				
Interstate highway, silviculture			Not rare in relation to regional landscape				
Functions			Mitigation for pre	vious	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, 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 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 Ar	Assessment Area Name or Number		
	C Phase 3			W-GOL-AA-356		
Impact or Mitigation		Assessment conducted by:	Assessment da			
-	Clearing)	M. Harrington	Assessment us	4/16/2019		
Scoring Guidance	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	optimal, but sufficient to 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 7 5	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) funct low somewhat limited by roads acent to highway); f) Hydrologi	ess of contiguous forested p Support to wildlife listed in pecies = 9 (negligible cover 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 Environmer (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		prary turbidity impacts. Indiverse 8, (consistent with exp 6, (existing erosion from roa unity zonation = 7 (typical for eccies 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)Community structu 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 5 3	Clearing of canopy will con compared to existing forest shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density s	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 nent = 5, (consistent with ex ebris, snag, den, and cavity	or other invasive plant species		
Score = sum of above scores/30	(if If preservation as mit	igation,		sessment areas		
uplands, divide by 20) current	Preservation adjustm	ent factor =	FL = delta	a x acres =		
or w/o pres with 0.63 0.5	Adjusted mitigation d	elta =	FL: 5.67 ac. x 0.53= 3.01			
	If mitigation		For mitigation a	ssessment areas		
Delta = [with-current]	Time lag (t-factor) =		RFG = delta/(t-factor	v risk) –		
-0.13	Risk factor =		R = ueiia/(i-iaCtor)			

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number	
Gulf NFRC Pha	ise 3				W-GC	DL-359	
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	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>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 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, silviculture			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				

	ect Name			Application Number	As	sessment Are	a Name or Number	
	Gu	ulf NFRC F	Phase 3				W-GOL-359	
Impact or	r Mitigation			Assessment conducted by:	Δα	sessment date		
impact of	-	mpact (Cle	earing)	M. Harrington	~~		4/16/2019	
L				ļ				
	ng Guidance coring of each	\exists	Optimal (10)	Moderate(7) Condition is less than	Minin	nal (4)	Not Present (0)
indicato what wo for the typ	or is based on ould be suitable ope 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 support of wetland/surface water functions		Condition is insuffici provide wetland/surfac functions	
	0(6)(a) Locatior andscape Supp pr		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	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	oss of contiguou Support to wild species = 9 (neg tions that benef s and ditching; ically connected	us forested par dlife listed in Pa gligible coverag it fish & wildlife e) Impacts to v d areas downst	rcels and conversion to art 1 by outside habitats ge); c) Wildlife access t e downstream-distance wildlife listed in Part 1 b tream of assessment au	s = 7 o and or y ea = 7
	(b)Water Envii (n/a for uplands 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	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 ir ors = 8, (consis 6, (existing eros unity zonation = ecies with spec quality degrada	npacts. Individuation stent with expension from road = 7 (typical for ific hydrologica ation = 7; j) dire	dual parameter scores: cted); c) soil moisture = way, adjacent landuses forested wetland); g) al requirements = 7; i) ect observation of wate	7,); e) r quality
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	vert the system to a freshwate ed 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, (consi lebris, snag, de	plant commun sive exotics of stent with expension n, and cavity =	ity species in the canop r other invasive plant sp ected); d) age & size 5; f) plant condition =	y, becies 7, ; g)
current 5		3						
5 Score = su	um of above sco lands, divide by	3 pres/30 (if	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =	F	or impact asse FL = delta	essment areas x acres =	
Current 5 Score = su upl current pr w/o pres	lands, divide by	3 pres/30 (if 20) with	Preservation adjustme	ent factor =		FL = delta		
current 5 Score = su upl current br w/o pres 0.63	lands, divide by	3 pres/30 (if 20) with 0.5	Preservation adjustme	ent factor =	Fo	FL = delta	x acres =	

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number		
Gulf NFRC Pha	se 3				W-GC	DL-360		
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	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	/ 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, wi 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	e edges. The comprises highbush ses of a variety of e vine, and shield ferns		
Significant nearby features		regional landsca						
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	Assessment Area Name or Number		
G	ulf NFRC F	Phase 3			W-GOL-360		
Impact or Mitigation			Assessment conducted by:	Assessment	date:		
	Impact (Clearing) M. Harrington 4/16/2019			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 suitabl for the type of wetland surface water assessed	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			
.500(6)(a) Locatio Landscape Sup 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	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 & 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		
.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) soil erosion or deposition = ((normal); f) vegetation comm ation = 7; h) use by animal spe of and associated with water	prary turbidity impacts. Income ors = 8, (consistent with each 6, (existing erosion from re- unity zonation = 7 (typical ecies with specific hydrolo quality degradation = 7; j)	<pre>tividual parameter scores: a) (pected); c) soil moisture = 7, padway, adjacent landuses); e) for forested wetland); g)</pre>		
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm w/o pres or <u>current</u> 5	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 recruitn and quality of coarse woody d	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		
Score = sum of above sc uplands, divide by current or w/o pres 0.63	· ·	If preservation as mit Preservation adjustm Adjusted mitigation d	ent factor =		issessment areas ilta x acres =		
Delta = [with-curi		If mitigation Time lag (t-factor) =		For mitigation	assessment areas		

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number
Gulf NFRC Pha	ise 3				W-GC	DL-363
FLUCCs code	Further classification	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630				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)
Apalachicola 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	•		
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, 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, cinn	plante sweetgr etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features		regional landsca		ing the relative ranty in		
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	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-363		
Impact or Mitigation			Assessment conducted by:	Assessment of	ate:		
	Impact (Clearing) M. Harrington 4/16/2019			4/16/2019			
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 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 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	oss of contiguous forested Support to wildlife listed in pecies = 9 (negligible cove tions that benefit fish & wild s and ditching; e) Impacts t cally connected areas dow	parcels and conversion to Part 1 by outside habitats = 7 rage); c) Wildlife access to and life 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	(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 f 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)		
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm w/o pres or <u>current</u> 5	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 t; c) regeneration and recruitn and quality of coarse woody d	eter scores: a) plant comm lcover); b) invasive exotics nent = 5, (consistent with e lebris, snag, den, and cavit	or other invasive plant species		
Score = sum of above sc uplands, divide by current pr w/o pres	· ·	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		ssessment areas ta x acres =		
0.63		-					
0.63 Delta = [with-cur		If mitigation Time lag (t-factor) =		For mitigation	assessment areas		

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number
Gulf NFRC Pha	ise 3				W-GC	DL-365
FLUCCs code	Further classification	ation (optional)		Impact	or Mitigation Site?	Assessment Area Size
630				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)
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 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, 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, cinn	plante sweetgi etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features	regional landsca		ing the relative failty in			
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	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-365		
Impact or Mitigation			Assessment conducted by:	Assessment d	ate:		
	Impact (Clearing) M. Harrington 4/16/2019			4/16/2019			
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 of wetland/surface water functions	of 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. 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	poss of contiguous forested p Support to wildlife listed in species = 9 (negligible cove tions that benefit fish & wild s 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 Env (n/a for uplanc 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 ation = 7; h) use by animal spo of and associated with water	prary turbidity impacts. Indi ors = 8, (consistent with exp 6, (existing erosion from ro unity zonation = 7 (typical for ecies with specific hydrolog quality degradation = 7; j) of	vidual parameter scores: a) bected); c) soil moisture = 7, adway, adjacent landuses); e) br 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 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 commu lcover); b) invasive exotics nent = 5, (consistent with ex lebris, snag, den, and cavity	or other invasive plant species		
Score = sum of above sc uplands, divide by current or w/o pres	· ·	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		sessment areas a x acres =		
0.63		-					
0.63 Delta = [with-cur		If mitigation Time lag (t-factor) =		For mitigation a	assessment areas		

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number
Gulf NFRC Pha	se 3				W-GC	DL-367
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	al 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, cine	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum le groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features		regional landsca		ng the relative ranty in		
Interst		No	ot rare i	n relation to regional la	andscape	
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				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	Assessment A	Assessment Area Name or Number		
G	ulf NFRC F	Phase 3			W-GOL-367		
Impact or Mitigation			Assessment conducted by:	ate:			
	Impact (Cle	earing)	M. Harrington		4/16/2019		
Scoring Guidance		Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)		
indicator is based or what would be suitabl for the type of wetland	The scoring of each indicator is based on vhat would be suitable r the type of wetland or urface water assessed			Minimal level of support 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 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	oss of contiguous forested Support to wildlife listed in pecies = 9 (negligible cove tions that benefit fish & wild s and ditching; e) Impacts t cally connected areas dow	parcels and conversion to Part 1 by outside habitats = 7 rage); c) Wildlife access to and life 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 (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 spo of and associated with water	prary turbidity impacts. Ind ors = 8, (consistent with ex 6, (existing erosion from ro unity zonation = 7 (typical f 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)		
.500(6)(c)Community 1. Vegetation ar 2. Benthic Comm w/o pres or <u>current</u> 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 comm lcover); b) invasive exotics nent = 5, (consistent with e lebris, snag, den, and cavit	or other invasive plant species		
Score = sum of above sc uplands, divide by current pr w/o pres	· ·	If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		ssessment areas ta x acres =		
0.63		-					
0.63 Delta = [with-cur		If mitigation Time lag (t-factor) =		For mitigation	assessment areas		

Site/Project Name	Site/Project Name Application Num			Assessment Area Name or Number		
Gulf NFRC Pha	se 3				W-GOI	L-368B
FLUCCs code	Further classifica	ation (optional)		Impact of	or Mitigation Site?	Assessment Area Size
630				E>	kisting 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)
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	5.		
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 f	l loblolly pine along th m. The shrub stratum e groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ig the relative ranty in	relation to the
Interst	ate highway		No	ot rare in	relation to regional la	Indscape
Functions	Mitigation for pre	evious pe	ermit/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), little b	e by wading birds suc lue heron (SSC), snor tricolor heron (SSC).	h as white ibis (SSC), wy egret (SSC), and
Observed Evidence of Wildlife Util	ization (List species dir	ectly observed, or	r other signs such	as track	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-368B		
Impact or M	litigation			Assessment conducted by:	nent date:			
	-	npact (Cle	earing)	M. Harrington	//000001	4/16/2019		
-	Guidance	_	Optimal (10)	Moderate(7) Condition is less than	Minimal (4	Not Present (0)	1	
indicator i what would for the type	is based on d be suitable of wetland o ter assesse	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			
)(a) Locatior Iscape Supp		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	for wetland forests through lo dividual parameter scores: a) usy roads; b) Invasive exotic s to proximity of roads); d) func- ow somewhat limited by road ucent to highway); f) Hydrologi	oss of contiguous for) Support to wildlife lis species = 9 (negligible tions that benefit fish is and ditching; e) Imp ically connected area	vould reduce the location and ested parcels and conversion to sted in Part 1 by outside habitats e coverage); c) Wildlife access to & wildlife downstream-distance of pacts to wildlife listed in Part 1 by s downstream of assessment are rea = 7 (downstream areas some	o and or , ea = 7	
)Water Envir a for 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	 silt fencing will reduce tempor (normal; b) water level indicat soil erosion or deposition = (normal); f) vegetation commation = 7; h) use by animal sp of and associated with water 	orary turbidity impact tors = 8, (consistent v 6, (existing erosion finunity zonation = 7 (ty becies with specific hy quality degradation =	onverting forested system to a s. Individual parameter scores: <i>i</i> th expected); c) soil moisture = om roadway, adjacent landuses) pical for forested wetland); g) drological requirements = 7; i) = 7; j) direct observation of water wave, wave energy, currents and	7, ; e) quality	
1. Ve	Community egetation and thic Commu	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 recruitr and quality of coarse woody d	eter scores: a) plant dcover); b) invasive e ment = 5, (consistent debris, snag, den, and	with significant loss of functional community species in the canopy exotics or other invasive plant spe with expected); d) age & size d cavity = 5; f) plant condition = 7 gal growth in submerged aquatic	y, ecies , ; g)	
	n of above sco nds, divide by		If preservation as mit Preservation adjustm Adjusted mitigation d	ent factor =		pact assessment areas . = delta x acres =		
0.63								
0.63			If mitigation		For mitic	ation assessment areas		
	= [with-curre	ent]	If mitigation Time lag (t-factor) =			ation assessment areas t-factor x risk) =		

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number
Gulf NFRC Pha	se 3				W-GC	DL-370
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	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	5.		
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, cine	plante sweetg etto. Th namon	d loblolly pine along th um. The shrub stratum ne groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features	regional landsca		ing the relative ranty in			
Interst	No	ot rare i	n relation to regional la	andscape		
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				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	Assessment A	Assessment Area Name or Number		
G	Gulf NFRC F	Phase 3			W-GOL-370		
Impact or Mitigation			Assessment conducted by:	Assessment o	ate:		
	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 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	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) Locatic Landscape Sup 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	sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi	poss of contiguous forested Support to wildlife listed in pecies = 9 (negligible cover- tions that benefit fish & wild s and ditching; e) Impacts to cally connected areas dow	parcels and conversion to Part 1 by outside habitats = 7 rage); c) Wildlife access to and life 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	(normal); f) vegetation comm tion = 7; h) use by animal spo of and associated with water	prary turbidity impacts. Ind ors = 8, (consistent with ex 6, (existing erosion from ro unity zonation = 7 (typical f ecies with specific hydrolog quality degradation = 7; j)	vidual parameter scores: a) pected); c) soil moisture = 7, adway, adjacent landuses); e) or forested wetland); g)		
.500(6)(c)Community 1. Vegetation at 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	ed system. Individual param 5 (lacking shrubs and ground ; c) regeneration and recruitn and quality of coarse woody d	eter scores: a) plant comm lcover); b) invasive exotics nent = 5, (consistent with e lebris, snag, den, and cavit	or other invasive plant species		
Score = sum of above so uplands, divide by current	· ·	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		ssessment areas ta x acres =		
or w/o pres 0.63	0.5] [
· ·		If mitigation Time lag (t-factor) =		For mitigation	assessment areas		

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number
Gulf NFRC Pha	se 3				W-GC	DL-372
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)
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>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	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	No	ot rare ir	n relation to regional la	Indscape		
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	ds, herpetofauna), little b	e 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	Assessment	Assessment Area Name or Number		
G	ulf NFRC F	Phase 3			W-GOL-372		
Impact or Mitigation			Assessment conducted by:	date:			
I	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 suitabl for the type of wetland surface water assessed	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 wate functions	of Condition is insufficient to		
.500(6)(a) Locatio Landscape Supj 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) funct ow somewhat limited by roads icent to highway); f) Hydrologi	ass of contiguous forested Support to wildlife listed i pecies = 9 (negligible cov ions 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 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) soil erosion or deposition = ((normal); f) vegetation comm ation = 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 1. Vegetation ar 2. Benthic Comm w/o pres or <u>current</u> 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 recruitn and quality of coarse woody d	eter scores: a) plant comr lcover); b) invasive exotion nent = 5, (consistent with ebris, snag, den, and cav	s or other invasive plant species		
Score = sum of above sc uplands, divide by current pr w/o pres 0.63	· ·	If preservation as mit Preservation adjustm Adjusted mitigation d	ent factor =		assessment areas elta x acres =		
		If mitigation					
Delta = [with-curi		Time lag (t-factor) =		For mitigation	assessment areas		

Gut NFRC Phase 3 VI-OU-372 Impact or Miligation Impact (Fill) Assessment conducted by: M. Harrington Assessment date: 4/16/2019 Scoring Guidance Indicator is based on what would be suble for the type of weithind routes used by provide weithind routes used by provide weithind routes used by provide weithind routes used the type routes routes and the type routes routes the type routes routes and type routes routes and type routes routes routes the type routes routes routes routes routes routes routes routes routes routes routes rout	Site/Project Name		Application Number	As	Assessment Area Name or Number		
Impact of Miligation Assessment conducted by: Assessment date: Impact (Fill) M. Harrington 4/16/2019 Scoring Guidance Optimal (10) Condition is pirmal and fully support of within the similar invest of support of unclose water functions Minimal (vol of support of unclose water functions) So(6)(a) Location and Landscape Support Loss of cancey species associated with clearing the transmission line ROW would reduce the location and hardscape support variable for water functions Loss of cancey species associated with clearing the transmission line ROW would reduce the location and hardscape support variable for water functions x00(6)(a) Location and Landscape support variable for water functions Loss of cancey species associated with clearing the transmission line ROW would reduce the location and hardscape support variable for water for work with monotable = 7 (forwater the normal connectivity): g) Dependency of downstream areas on assessment area = 7 (downstream dasses excess = 0 (agacent to hiyway); f) Hydrotical to the start find is A widil is downstream dasses excess = 0 (agacent to hiyway); f) Hydrotical to the start find is A widil is downstream dasses excess = 0 (agacent to hiyway); f) Hydrotical to and associated with water environment variable, converting forested system to a find swater water environment variable, converting forested vestem to a instream dassecated y or encore y widi (agerdation = 7, into and the dividual parameter scores: a) plant community with significant loss of functional value compared to existing forested system. Individual parameter scores: a) plant community where water quality deparedation = 7, i) uset depth wave, wave energy, currents and light pe		Phase 3				W-GOL-372	
Impact (Fill) M. Harrington 4/16/2019 Scoring Guidance The scoring of each inflactior is based on what would be suitable for the type of weaks and surface wate functions Condition is insufficient to maritian moat waterfunctions Not Present (0) 500(6)(a) Location and Landscape Support and the support of surface water functions Loss of cancept support variable for wetter unctions Loss of cancept support variable for wetter waterfunctions Condition is insufficient to maritian moat waterfunctions wo pres or current (via for uplands) Loss of cancept support variable for wetter unctions Consistent with expected is a discoper support variable for wetter unctions Support to well is listed in Part 1 by outside haddles = 7 (downstream flow somewhat limited by roads and diching; e) Impacts to well limited had uses = 6 (downstream flow somewhat limited by roads and diching; e) Impacts to well limited had uses = 6 (downstream flow somewhat water livels and flows = 8 (normal; b) water level indicators = 4, (consistent with expected; c) sol of most water water livels and flows = 8 (normal; b) water level indicators = 4, (consistent with expected; c) sol of most water quality evidence of fire history = 7 (normal); h) wegetation or dynastion or deposition = 7, (op solites twith expected; d) sol of most water quality evidence of fire history = 7, (normal); h) wegetation and the value is distribution = 7, (op solites twith expected; d) and expected water. Individual parameter scores: a) plan community with significant loss of functional value compared to existing forestold system. Individual p			Accessment conducted by:				
Scoring Guidance The scoring of each wet would be suitable tor the type of velocition is equivalent of surface water assessed Optimal (19) Moderate(7) Minimal (4) Not Present (0) Condition is equivalent surface water assessed Condition is equivalent functions Condition is less than optimal intent intent wetland/surface water wetland/surface water functions Minimal (4) Not Present (0) .500(6)(a) 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/surfaces as 0 support to wetlaftel bits of parts to vetland/surface water functions Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape support (reduced to proximity of busy reads, b) invasive excits species = 0 (negligible coverage); c) Woldle laces to and corrent with onomal connection for socionomical limicity by roads and diching; a) impacts to wetlefficiated in Part to youtside habitates = 7 (normal connectivity); g) Dependency of downstream areas on assessment area = 7 (downstream areas somewhat freshwater marsh, athough all forcing will reduce temporary turbidity impacts. Individual parameter socres: a) worestart with expected; d) soil larging will end user a viting granting or social freshwater marsh, athough all forcing will community constitution = 7, (b) det beaveration of weter quality experise of current with 7 .500(6)(c)(b)/Water Environment (r/a for uplands) Clearing the canopy will convert the system to a freshwater marsh community weters and weter quality experise of course with 0.500(6)(c)(Community structure current with 7 Clearing of canopy will convert the syste		Fill)	,	AS			
The scoring of each indicator is based on what would be suitable for the type of wetland or suitable suitable for the type of wetland or suitable suitable in the suitable of the type of wetland or suitable suitable wetland or suitable suitable indicators is subsetting of campa ypecies associated with clearing the transmission line ROW would reduce the location and landscape support variable for wetland/surface water functions Condition is insufficient to provide wetland/surface water functions .500(6)(a) Location and Landscape support variable for wetland/surface water functions Loss of campa ypecies associated with clearing the transmission line ROW would reduce the location and landscape support variable for wetland forest through loss of configuous torested parcels and conversion to herbaceous community. Individual parameter scores: a) Support to widtle fisted in Part 1 by outside habitats = 7 (include by provides reduce the provide ypecies associated with clearing the transmission line ROW would reduce the location and landscape support variable for wetworks points as the benefit fiste A widtle downstream to a functions by the provides and dichnic; a) Impact to widtle fisted in Part 1 by outside habitats = 7 (increated a trace downstream of assessment area = 7 (increated areas downstream of assessment area = 7 (increated areas downstream of assessment area = 7 (increated areas the second and the sec						1,10,2010	
Indicator is based on hully supports surface water assessed Condition is optimal and hully supports surface water assessed optimal, but sufficient to maintain most wetand/surface water surface water assessed Minimal level of supports maintain most wetand/surface water functions Condition is insufficient to maintain most wetand/surface water wetand/surface water wetand/surface Minimal level of supports maintain most wetand/surface water functions Condition is insufficient to maintain most wetand/surface water wetand/surface Condition is insufficient to maintain most wetand/surface water wetand/surface Condition is insufficient to maintain most wetand/surface water wetand/surface Condition is insufficient to most and scape support s wetand/surface water indicator Condition is insufficient to maintain most wetand/surface water wetand/surface water wetand/surface water wetand/surface Condition is insufficient to most and scape support s wetand/surface water indicator Condition is insufficient to maintain most indicator Condition is insufficient to maintain mos		Optimal (10)		Minim	nal (4)	Not Present (0)
.500(6)(a) Location and Landscape Support Iandscape support .500(6)(b) Water Environment Indicate Calculation and though a support and the support of the	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/su	rface water	provide wetland/surfac	
.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 = 7, consistent with expected; d) soil erosin 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 wind specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of water qualit e 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, currents and light penetration = N/A. 7 0 .500(6)(c)Community structure 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 = 5 (lacking shrubs and groundcover); b) invasive exotics or other invasive plant species = 7, (fer unusance 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) and management practices = 5, h) topographic features = 7, ; i) sittation or algal growth in submerged aquatic plan current with 5 0 If preservation as mitigation, preservation adjustment factor = Adjusted mitigation delta = For impact assessment areas FL: 0.005 ac. x 0.63 = 0.003 For mitigation assessment areas FL: 0.005 ac. x 0.63	Landscape Support w/o pres or current with	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	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	ss of contiguou Support to wild pecies = 9 (neg ions that benefits and ditching; e cally connected	us forested par Ilife listed in Pa Iligible coverag it fish & wildlife e) Impacts to v I areas downst	rcels and conversion to art 1 by outside habitats ge); c) Wildlife access to a downstream-distance vildlife listed in Part 1 by rream of assessment ar	s = 7 o and or y rea = 7
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 = 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 = 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 plan communities = 7 (normal). Score = sum of above scores/30 (if uplands, divide by 20) current If preservation as mitigation, Preservation adjustment factor = Adjusted mitigation delta = For impact assessment areas 0.63 0 If mitigation delta = FL = delta x acres = FL : 0.005 ac. x 0.63 = 0.003 If mitigation as (t-factor) = Delta = [with-current] If mitigation Time lag (t-factor) = For mitigation assessment areas REG = delta/(t-factor x risk) =	(n/a for uplands) w/o pres or current with	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 = 6, receives road runoff. K	silt fencing will reduce tempor 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 in prs = 8, (consis 6, (existing eros unity zonation = ecies with speci quality degrada	npacts. Individ tent with expec- sion from roads = 7 (typical for ific hydrologica ation = 7; j) dire	tual parameter scores: cted); c) soil moisture = way, adjacent landuses forested wetland); g) al requirements = 7; i) ect observation of water	7,); e) r quality
uplands, divide by 20) Preservation adjustment factor = current Preservation adjustment factor = br w/o pres with 0.63 0 If mitigation Fl: 0.005 ac. x 0.63 = 0.003 If mitigation For mitigation assessment areas Time lag (t-factor) = For mitigation assessment areas	1. Vegetation and/or 2. Benthic Community w/o pres or current with	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices	ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm and quality of coarse woody do	eter scores: a) cover); b) inva nent = 5, (consi ebris, snag, der	plant communi sive exotics or stent with expe n, and cavity =	ity species in the canop r other invasive plant sp ected); d) age & size s; f) plant condition = 7	y, becies 7, ; g)
Delta = [with-current] Time lag (t-factor) = For mitigation assessment areas BEG = delta/(t-factor x risk) =	uplands, divide by 20) current or w/o pres with	Preservation adjustme	ent factor =		FL = delta	x acres =	
Delta = [with-current] Time lag (t-factor) = For mitigation assessment areas BEG = delta/(t-factor x risk) =		If mitigation					
RFG = delta/(t-factor x risk) =	Delta = [with-current]			For	r mitigation ass	sessment areas	
	-0.63	Risk factor =		RFG = d	lelta/(t-factor x	risk) =	

Site/Project Name	Site/Project Name Application Num			Assessment Area Name or Number		
Gulf NFRC Pha	ise 3				W-GO	L-373B
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation S	Site?	Assessment Area Size
630				Existing Cond	lition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.OFW, AP, other loc	al/state/federa	al 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	y 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 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, cine	planted loblolly pin weetgum. The shru etto. The groundcov	e along th ub stratum ver compri erry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features		regional landsca		ve ranty in	relation to the	
Interst	No	t rare in relation to	regional la	andscape		
Functions	Mitigation for pre	vious permit/other h	nistoric us	e		
Wildlife habitat, wa	ter treatment and stora	ge		N/A	L.	
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				SSC), sno	h as white ibis (SSC), wy egret (SSC), and
Observed Evidence of Wildlife Util	lization (List species dir	ectly observed, or	r other signs such	as tracks, dropping	is, 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			
	FRC Phas	e 3				W-GOL-373B		
Impact or Mitigation	. (0)	、 、	Assessment conducted by:		Assessment date			
Impa	ct (Clearin	g)	M. Harrington			4/16/2019		
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		ondition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	wetland/	vel of support of surface water nctions	Condition is insufficient to provide wetland/surface water functions		
	d land her (rec acc dist vith 1 b	dscape support variable baceous community. Inc duced by proximity of bu tess to and from outside ance or barriers = 7 (do y outside land uses = 6		oss of contigues Support to v species = 5 (r roads); d) fun ited by roads rologically co	uous forested par vildlife listed in Pa noderate coverag inctions that benef and ditching; e) nnected areas do	cels and conversion to art 1 by outside habitats = 6 ge of Lygodium); c) Wildlife fit fish & wildlife downstream- Impacts to wildlife listed in Part ownstream of assessment area		
	nent fres wat cor evid hyc veg = 6	shwater marsh, although er levels and flows = 8 (isistent with expected; d dence of fire history = 7 Irologic stress on vegeta jetative species tolerant		orary turbidity ors = 8, (cons 6, (existing e unity zonatio ecies with sp quality degra	r impacts. Individ sistent with exper- rosion from road n = 7 (typical for ecific hydrologica adation = 7; j) dire	ual parameter scores: a) cted); c) soil moisture = 7, way, adjacent landuses); e) forested wetland); g)		
	Cle cor shr = 7 dist	npared to existing forest ub, or ground stratum = , (few nuisance species) ribution = 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 dcover); b) in nent = 5, (cor lebris, snag, o	a) plant commun wasive exotics of nsistent with expe den, and cavity =	other invasive plant species ected); d) age & size		
	30 (if vith).5	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		For impact asse FL = delta			
		If mitigation						
		If mitigation	For mitigation assess		For mitigation	socomont oroos		
Delta = [with-current]		Time lag (t-factor) =		F	For mitigation as:	sessment areas		

Site/Project Name Application Num			Assessment Area Name or Number			or Number
Gulf NFRC Pha	se 3				W-GOI	L-373C
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. Th namon	d loblolly pine along th im. The shrub stratum e groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative ranty in	relation to the
Interst	ate highway		No	ot rare ir	n relation to regional la	andscape
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)				T, SSC	/ Listed Species (List s), type of use, and inte	
Wading bir	ds, herpetofauna), little b	e 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	Assessment Ar	Assessment Area Name or Number		
				1		
Gulf NFRC F	Phase 3			W-GOL-373C		
Impact or Mitigation		Assessment conducted by:	e:			
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	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) Hydrologid	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	rcels and conversion to Part 1 by outside habitats = 7 ge); c) Wildlife access to and e 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 (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, lway, 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 ind quality of coarse woody de	eter scores: a) plant commur cover); b) invasive exotics c ent = 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)		-	For impact ass FL = delta			
current	Preservation adjustme	ent factor =				
or w/o pres with	Adjusted mitigation de	elta =				
0.63 0.5			L			
i	If mitiactics					
Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigation as	sessment areas		
			RFG = delta/(t-factor	x risk) =		
-0.13	Risk factor =					

Guilt NFRC Phase 3 W-OL-373C 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 tor the type of weiland's undrawater assessed Impact (Fill) Impact (Fill) Condition is (starting optimal (10) Condition is (starting optimal, but sufficient to weiland/surface water functions Minimal (4) Not Present (0) Condition is insufficient to weiland/surface water functions Condition is insufficient to metal water functions Condition is insufficient to weiland/surface 5.00(6)(0) Location and water evels and functis Loss of canopy water water indecodd to proximit	Site/Project Name		Application Number	Assessm	Assessment Area Name or Number		
Impact or Mitigation Assessment conducted by: M. Harrington Assessment date: M. Harrington Scoring Guidance The scoring of each indicator is based on what would be suitable to the type of wetland suitable would be suitable to the type of wetland suitable water discusses Differential (10) Moderate(7) Minimal (4) Not Present (0) Scoring Guidance The type of wetland suitable water discusses Condition is optimal and fully support of the type of wetland suitable water discusses Condition is optimal fully support of the type of wetland suitable water discusses Minimal (4) Not Present (0) Scoring Guidance suitable water discusses Condition is optimal and fully support valiable for wetland forests through loss of configuous forested parcels and conversion to hetaseaceus community. Individual parameter scores: a) Support to widite listed in the sub- form subset = 0 (reduced to proximity of maxie), 0) functions that benefit is & widite list access to and form subset = 0 (reduced to proximity of maxie), 0) functions that benefit is & widite list access to and form subset = 0 (reduced to proximity of maxie), 0) functions that benefit is & widite list access to and form subset = 0 (reduced to proximity of maxie), 0) functions that benefit is & widite list access to and form subset and flows = 0 (reduced to proximity of maxie), 0) functions that therein the & widite list access to and formation maxies and thore = 0 (asceant of nonicol maxies), 0) functions that therein the & widite list access to and formation maxies and thore = 0 (asceant of nonicol maxies), 0) functions that access and function to wetland subset and flow = 0 (asceant of nonicol maxies), 0) funcer observation of water quality dependent).		Phase 3			W-GOL-373C		
Impact (Fill) M. Harrington 4/16/2019 Scoring Guidance The scoring of each indicator is based on what would be suitable for the trype of weathand or surface water assessed Condition is dominal and fully support of the weathand/surface water functions Minimal (4) Not Present (0) Scoring Guidance The scoring of each indicator is based on what would be suitable for the trype of weathand or surface water assessed Condition is insufficient to maintain most weathand/surface water functions Minimal (4) Not Present (0) Scoring Guidance for the trype of weathand or surface water assessed Loss of cancey species associated with clearing the transmission line ROW would reduce the location and landscape support variable for weither doress through loss of consigue correlation. If the scores is 6 (domestice minimum of the scores is 1) Support to widdle listed is and the long. Inpress to widdle listed is a Part 1 by outside habitus = 7 from outside = 6 (reduced to proximity of traval as and the long. Inpress to widdle listed is Part 1 by contrast = 8 (domestice minimum of the scores is and domestice). On the score and the part 1 by outside habitus = 7 formatice as (domestice minimum of the score and the part 1 by contrast = 8 (domestice minimum of the score and the part 1 by outside habitus = 7 formatice as (domestice minimum of the score and the part 1 by outside habitus = 7 formatice as (domestice minimum of the score and the scor			Assessment conducted by	Accord			
Scoring Guidance Optimal (10) Moderati (7) Minimal (4) Net Present (0) Condition is optimal and fully supports watch work water assessed Condition is optimal and fully supports Condition is optimal and fully supports Minimal (4) Net Present (0) Scoring Guidance Condition is optimal and fully supports Condition is optimal and fully supports Minimal (4) Moderati (7) Condition is issufficient to maintain most waterfunctions support Scoring Guidance Condition is optimal and fully supports Condition is optimal and fully supports Minimal (4) Net Present (0) support Condition is optimal and fundscape support Condition is optimal and functions Minimal (4) Net Present (0) support Loss of canopy species associated with clearing the transmission line ROW would reduce the location and landscape support Net Present (0) Condition is is sufficient to monitor and the present (0) current with Condition is optimal and (nor and connectivity); g) Dependency of downstream drasa of contegolicity functions the bench Part 1 by outside land dusces or optimal and the present (0) NetWeide and the present (0) .500(6)(b)(Water Environment (nor a function support) Chearing the canopy will temporarily inpact the water environment variable, converting forested system to a freshwater massh,		(Fill)	,	Assessii			
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 of wetland/surface water functions Condition is is less than optimal, but sufficient to wetland/surface water functions Condition is is less than optimal, but sufficient to wetland/surface water functions Condition is is less than optimal, but sufficient to wetland/surface water functions Condition is is less than optimal, but sufficient to wetland/surface water functions Condition is is less than optimal, but sufficient to wetland/surface water functions Condition is issufficient to wetland/surface water functions .500(6)(a) Location and Landscape support of wetland forest through loss of computing of the coverage; (a) Widtle dowerseam distance or unstate of the wetland/surface water functions that benefit fish widtle dowerseam distance or unstate of the wetland dependent). Image: set (addicent to highway); (i) Hydrologically connected areas downstream areas somewhat limited by roads and diching; (a) Impacts to widtle dowerseam areas somewhat limited by roads and diching; (a) Impacts to widtle dowerseam areas somewhat limited by low costs and the expected () sol montume areas to expect to addicent rest of consistent with expected () sol errois ro reduce the provide wetland and lows = 6 (mathed areas in the societien at the expected () sol errois ro reduce the provide wetland addicent rest of consistent with expected () sol montume areas somewhat limited by rest indicators = 8, (consistent with expected () sol errois ro reduce areas one water quality data = N/A; () water depth wave, wave energy, currents and light preface to prosistent with expected () sol errois ro reduc	Inipadi	(' ''')			1,10,2010		
indicator is based on full supports (or the type of verticand or surface water assessed Condition is insufficient to maintain most verticand/surface water functions Minimal level of support of verticand/surface water functions Condition is insufficient to verticand/surface Condition is insufficient to verticand/surface Condition is insufficient to verticand/surface Condition is insufficient to verticand support of reduced by proximity of busy reduces through loss of contiguous forested parcels and conversion to herbaceous community. Individual parameter scores: a) Support to widile listed in Part by outside habitate = 7 (reduced by proximity of busy reduces the location is the benefit histing: a) Impacts to widile lister of the type of reduced by proximity of busy reduces to proximity or tasks; (f) functions that benefit histing: a) Impacts to widile lister and the table from undered if (globent to highway); (f) Hydrologically connected areas downstream deservement area reduced in proximity of busy reduced to proximity or tasks; (f) consistent with assessment area = 7 (downstream deservement); (g) Dependency of downstream areas on assessment area = 7 (downstream deservement); (g) Dependency of downstream areas on assessment area = 7 (downstream deservement); (g) Dependency of downstream areas on assessment area = 7 (downstream deservement); (g) deservement (r/a for uplands) worker or current (r/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, athrough and associated with water quality degradation = 7; (j) degradation = 7; (j		Optimal (10)		Minimal (4)	Not Present (0)		
.500(6)(a) Location and Landscape Support Iandscape support variable for wettand forests through loss of contiguous forested parcels and conversion to herbaceous community. Individual parameter scores: a) support to wildlife listed in Part 1 by outside habitats = 7 (reduced by proximity of busy roads; b) Invasive exotic species = 0 (negligible coverage): c) Wildlife downstream-distance or barriers = 6 (downstream flow somewhat limited by roads and diching; b) Impacts to wildlife listed in Part 1 by outside land uses = 6 (adjacent to highway); b) Hydrologically connected areas for wetter and to uses = 6 (adjacent to highway); b) Hydrologically connected areas for wetter and reases somewhat dependent). .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 (diardistion community) zonation = 7 (typical for forested wethered); c) outrent with .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 flevel indicators = 8, (consistent with expected; c) soll erosion or deposition = 6, (existing erositent with expected; c) and associated with water quality data = N/A; 1) water depth wave, wave energy, currents and ligh envirtation = N/A. 7 0 1. Vegetation and/or 2. Benthic Community Enceinvesting forested system, individual parameter scores: a) paneds, divide by 20) current For in	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 v	vater provide wetland/surface wat		
.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 = 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 (t) pical for forested wetland); g) hydrologic stress on vegetation = 7; h) use by animal species with specific hydrological regularements = 7; h) eeividence of fire history = 7 (normal); f) vegetation community addition = 7; j) direct observation of water quality ecircent with 7 0 7 0 .500(6)(c)Community structure Clearing of canopy will convert the system to a freshwater marsh community with significant loss of functional valu compared to existing forested system. Individual parameter scores: a) plant community species in the canopy, shrub, or ground stratum = 5 (lacking shrubs and groundocver); 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 plan communities = 7 (normal). Score = sum of above scores/30 (if uplands, divide by 20) current If preservation as mitigation, Preservation adjustment factor = Adjusted mitigation delta = FL edita x acres = FL: 0.005 ac: x 0.63 = 0.003 FL edita x acres = FL: 0.005 ac: x 0.63 = 0.003 If mitigation Time lag (t-factor) = For miti	 .500(6)(a) Location and Landscape Support w/o pres or current with landscape support with landscape support variable for wetland forests through loss of contiguous forested parcels and convert herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outside I (reduced by proximity of busy roads; b) Invasive exotic species = 9 (negligible coverage); c) Wildlife are form outside = 6 (reduced to proximity of roads); d) functions that benefit fish & wildlife downstream-disbarriers = 6 (downstream flow somewhat limited by roads and ditching; e) Impacts to wildlife listed in P outside land uses = 6 (adjacent to highway); f) Hydrologically connected areas downstream of assessing (normal connectivity); g) Dependency of downstream areas on assessment area = 7 (downstream areas) 						
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 = 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) and anagement practices = 5, h) topographic features = 7, ; i) siltation or algal growth in submerged aquatic plant communities = 7 (normal). Score = sum of above scores/30 (if uplands, divide by 20) current If preservation as mitigation, Preservation adjustment factor = Invice on the invision of the in	(n/a for uplands) w/o pres or current with	freshwater marsh, although water levels and flows = 8 (consistent with expected; d) evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant = 6, receives road runoff. K	silt fencing will reduce tempor 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 ors = 8, (consistent wi 6, (existing erosion fro unity zonation = 7 (typ ecies with specific hyo quality degradation =	. Individual parameter scores: a) th expected); c) soil moisture = 7, om roadway, adjacent landuses); e) bical for forested wetland); g) trological requirements = 7; i) 7; j) direct observation of water qual		
uplands, divide by 20) Preservation adjustment factor = current Preservation adjustment factor = br w/o pres with 0.63 0 If mitigation If mitigation Time lag (t-factor) = For mitigation assessment areas	1. Vegetation and/or 2. Benthic Community w/o pres or current with	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices	ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm and quality of coarse woody do	eter scores: a) plant c cover); b) invasive ex nent = 5, (consistent v ebris, snag, den, and	ommunity species in the canopy, xotics or other invasive plant species vith expected); d) age & size cavity = 5; f) plant condition = 7, ; g)		
Delta = [with-current] Time lag (t-factor) =	uplands, divide by 20) current or w/o pres with	Preservation adjustme	ent factor =	<u> </u>	= delta x acres =		
Delta = [with-current] Time lag (t-factor) =		If mitigation		_			
	Delta = [with-current]			For mitiga	ation assessment areas		
-0.63 Risk factor = RFG = delta/(t-factor x risk) =	-0.63	Risk factor =		RFG = delta/(t-	-factor x risk) =		

Site/Project Name		Application Number	ber Assessment Area Name or Number				
Gulf NFRC Pha	ise 3				W-GOI	L-373D	
FLUCCs code	Further classification	ation (optional)		Impact or Mitigation Site? Assessment A			
630				Ex	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)	
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 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, sw fetterbush, needlepalm	p chestnut oak, w veetbay, Americar I, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cinn	planted sweetgu etto. The namon f	l loblolly pine along th im. The shrub stratum e groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		ig the relative failty in		
Inters		Not rare in relation to regional landscape					
Functions			Mitigation for pre	evious pe	ermit/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)				T, SSC	/ Listed Species (List s), 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 track	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 N	Name			Application Number	Assessment A	Assessment Area Name or Number		
	Gu	If NFRC F	Phase 3			W-GOL-373D		
Impact or Mit	tigation			Assessment conducted by:	Assessment d	ate:		
	-	npact (Cle	aring)	M. Harrington		4/16/2019		
Scoring C The scorir	Guidance	_	Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicator is what would for the type of surface wate	s based on be suitable of wetland o	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	of Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape SupportLoss of canopy species associated with clearin landscape support variable for wetland forests herbaceous community. Individual parameter s (reduced by proximity of busy roads; b) Invasiv from outside = 6 (reduced to proximity of roads barriers = 6 (downstream flow somewhat limited outside land uses = 6 (adjacent to highway); f) (normal connectivity); g) Dependency of downs dependent).					poss of contiguous forested p Support to wildlife listed in species = 9 (negligible cove tions that benefit fish & wild s and ditching; e) Impacts t cally connected areas dow	parcels and conversion to Part 1 by outside habitats = 7 rage); c) Wildlife access to and life downstream-distance or by wildlife listed in Part 1 by instream of assessment area = 7		
.500(6)(b)Water Environment (n/a for uplands) (n/a for uplands) (n					prary turbidity impacts. Indi ors = 8, (consistent with ex 6, (existing erosion from ro unity zonation = 7 (typical f ecies with specific hydrolog quality degradation = 7; j) e	vidual parameter scores: a) pected); c) soil moisture = 7, adway, adjacent landuses); e) pr forested wetland); g)		
 Vegetation and/or Benthic Community 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 comm lcover); b) invasive exotics nent = 5, (consistent with e lebris, snag, den, and cavit	or other invasive plant species		
Score = sum o upland current br w/o pres 0.63	of above sco Is, divide by :		If preservation as mit Preservation adjustm Adjusted mitigation d	nent factor =		sessment areas a x acres =		
			If mitigation					
		Delta = [with-current] Time lag (t-factor) =			For mitigation	assessment areas		
Delta =	= [with-curre	ent]	Time lag (t-factor) =		RFG = delta/(t-facto			

Site/Project Name		Application Number	ber Assessment Area Name or Number			
Gulf NFRC Pha	ise 3				W-GOI	L-373E
FLUCCs code	Further classification	ation (optional)		Impact o	r Mitigation Site?	Assessment Area Size
630				Exi	isting Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ion (i.e.OFV	V, 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	y forested uplands, and	connects to othe	r wetland systems	5.		
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, 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, cinn	planted sweetgur etto. The namon fe	loblolly pine along th m. The shrub stratum groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		g the relative failty in	
Inters		Not rare in relation to regional landscape				
Functions			Mitigation for pre	evious pe	rmit/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)				T, SSC)	Listed Species (List s , 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 tracks	s, 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-373E		
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 suitabl for the type of wetland surface water assessed	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	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 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	ass of contiguous forested p Support to wildlife listed in pecies = 9 (negligible cove ions that benefit fish & wild and ditching; e) Impacts t 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 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); f) vegetation commation = 7; h) use by animal spe of and associated with water	parary turbidity impacts. Indi ors = 8, (consistent with exp 6, (existing erosion from ro- unity zonation = 7 (typical f eccies with specific hydrolog quality degradation = 7; j) σ	vidual parameter scores: a) bected); c) soil moisture = 7, adway, adjacent landuses); e) br 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 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 comm lcover); b) invasive exotics nent = 5, (consistent with ex ebris, snag, den, and cavit	or other invasive plant species		
Score = sum of above sc uplands, divide by current br w/o pres 0.63	· ·	If preservation as mit Preservation adjustm Adjusted mitigation d	ent factor =		sessment areas a x acres =		
Delta = [with-cur		If mitigation Time lag (t-factor) =		For mitigation a	assessment areas		

Site/Project Name		Application Number	Assessment A	Assessment Area Name or Number		
Gulf NFRC	Phase 3			W-GOL-373E		
Impact or Mitigation		Assessment conducted by:	Assessment d			
Impact of Miligation	(Fill)	M. Harrington	Assessment u	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	of Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape SupportLoss of canopy species associated with clearing the transmission line ROW would reduce the location landscape support variable for wetland forests through loss of contiguous forested parcels and converse herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outside h herbaceous community. Individual parameter scores: a) Support to wildlife listed in Part 1 by outside h (reduced by proximity of busy roads; b) Invasive exotic species = 9 (negligible coverage); c) Wildlife act from outside = 6 (reduced to proximity of roads); d) functions that benefit fish & wildlife downstream-dis barriers = 6 (downstream flow somewhat limited by roads and ditching; e) Impacts to wildlife listed in Part outside land uses = 6 (adjacent to highway); f) Hydrologically connected areas downstream of assessment (normal connectivity); g) Dependency of downstream areas on assessment area = 7 (downstream area dependent).						
.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 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant	(normal); f) vegetation commution = 7; h) use by animal spe of and associated with water	rary 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 structure 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> with 5 0	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 t; c) regeneration and recruitm and quality of coarse woody do	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 (uplands, divide by 20) current or w/o pres with 0.63 0	uplands, divide by 20) Preservation adjustment factor = FL = delta x acres = w/o pres with Adjusted mitigation delta = FL: 0.005 ac. x 0.63 = 0.00					
Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigation a	assessment areas		
	Risk factor =		RFG = delta/(t-facto	r x risk) =		
-0.63	RISK TACLOF =					

Site/Project Name		Application Number	ber Assessment Area Name or Number					
Gulf NFRC Pha	ise 3				W-GOI	L-374A		
FLUCCs code	Further classification	ation (optional)		Impact or	Mitigation Site?	Assessment Area Size		
630				Exis	sting 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 hydrogeneity of the second se	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 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, 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, cinn	planted lesweetgum etto. The namon fe	oblolly pine along th n. The shrub stratum groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns		
Significant nearby features			regional landsca		g the relative failty in			
Inters		Not rare in relation to regional landscape						
Functions			Mitigation for pre	vious per	mit/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)				T, SSC),	isted Species (List s 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 tracks	s, 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	Bulf NFRC F	Phase 3			W-GOL-374A		
Impact or Mitigation			Assessment conducted by:	ate:			
	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 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	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) Locatic Landscape Sup 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	sy roads; b) Invasive exotic s o proximity of roads); d) funct ow somewhat limited by roads cent to highway); f) Hydrologi	oss of contiguous forested 9 Support to wildlife listed in 9 species = 9 (negligible cover tions that benefit fish & wild s and ditching; e) Impacts to ically connected areas dow	parcels and conversion to Part 1 by outside habitats = 7 rage); c) Wildlife access to and life 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	(normal); f) vegetation comm tion = 7; h) use by animal spo of and associated with water	prary turbidity impacts. Ind ors = 8, (consistent with ex 6, (existing erosion from ro unity zonation = 7 (typical f 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)		
.500(6)(c)Community 1. Vegetation au 2. Benthic Comm w/o pres or <u>current</u> 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 ; c) regeneration and recruitn and quality of coarse woody d	eter scores: a) plant comm dcover); b) invasive exotics nent = 5, (consistent with e lebris, snag, den, and cavit	or other invasive plant species		
Score = sum of above so uplands, divide by	· ·	Preservation adjustme	ent factor =		ssessment areas ta x acres =		
current pr w/o pres 0.63	with 0.5	Adjusted mitigation de	eita =				
pr w/o pres	0.5	Adjusted mitigation de If mitigation Time lag (t-factor) =	21121 =	For mitigation	assessment areas		

Site/Project Name		Application Number	ber Assessment Area Name or Number			
Gulf NFRC Pha	ise 3				W-GO	L-374B
FLUCCs code	Further classification	ation (optional)		Impact or Mitiga	ation Site?	Assessment Area Size
630				Existing	Condition	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.OFW, AP, o	ther local/state/federa	al 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	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>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	th occurrences of hornbeam, and s ad bluestem palme	planted loblol weetgum. The etto. The grour namon fern, bl	ly pine along th e shrub stratum ndcover compri lackberry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		relative railty in	
Inters		Not rare in relation to regional landscape				
Functions			Mitigation for pre	vious permit/o	ther 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), type		species, their legal ensity of use of the
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	other signs such	as tracks, dro	ppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goff			4/16/2019			

Site/Project	ct Name			Application Number	Assessment A	Assessment Area Name or Number		
	Gu	ulf NFRC F	Phase 3			W-GOL-374B		
Impact or	Mitigation			Assessment conducted by:	Assessment d	ate.		
inipaot of	-	mpact (Cle	aring)	M. Harrington		4/16/2019		
	ng Guidance oring of each		Optimal (10)	Moderate(7) Condition is less than	Minimal (4)	Not Present (0)		
indicato what wou for the typ	or is based on uld be suitable be of wetland vater 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 of wetland/surface water functions	of Condition is insufficient to provide wetland/surface water functions		
.500(6)(a) Location and Landscape SupportLoss of canopy species associated with clearing the tran landscape support variable for wetland forests through lo herbaceous community. Individual parameter scores: a) (reduced by proximity of busy roads; b) Invasive exotic s from outside = 6 (reduced to proximity of roads); d) funct barriers = 6 (downstream flow somewhat limited by roads outside land uses = 6 (adjacent to highway); f) Hydrologi (normal connectivity); g) Dependency of downstream are dependent).					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 rage); c) Wildlife access to and ife downstream-distance or b wildlife listed in Part 1 by instream of assessment area = 7		
.500(6)(b)Water Environment (n/a for uplands) (n/a for uplands) (n					parary turbidity impacts. Indi ors = 8, (consistent with exp 6, (existing erosion from roa unity zonation = 7 (typical for eccies with specific hydrolog quality degradation = 7; j) of	vidual parameter scores: a) bected); c) soil moisture = 7, adway, adjacent landuses); e) br forested wetland); g)		
 Vegetation and/or Benthic Community compared to existing forest shrub, or ground stratum = 7, (few nuisance species) distribution = 5; e) density a 				sted system. Individual parame = 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 commu lcover); b) invasive exotics nent = 5, (consistent with ex ebris, snag, den, and cavity	or other invasive plant species		
	um of above scc ands, divide by		If preservation as mi Preservation adjustn Adjusted mitigation c	nent factor =		sessment areas a x acres =		
			If mitigation		For mitigation a	assessment areas		
	Delta = [with-current] Time lag (t-factor) =							
Delt	ta = [with-curr	ent]	Time lag (t-factor) =		RFG = delta/(t-facto			

Site/Project Name		Application Number	ber Assessment Area Name or Number				
Gulf NFRC Pha	se 3				W-GOI	L-374C	
FLUCCs code	Further classification	ation (optional)		Impact or Mitigation Site? Assessment A			
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)	
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. Th namon	d loblolly pine along th um. The shrub stratum e groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca		ng the relative failty in		
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)				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 A	Assessment Area Name or Number		
G	ulf NFRC F	Phase 3			W-GOL-374C		
Impact or Mitigation			Assessment conducted by:	Assessment	date:		
	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 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	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 to barriers = 6 (downstream file 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	oss of contiguous forested 9 Support to wildlife listed in species = 9 (negligible cover- tions that benefit fish & wild s and ditching; e) Impacts ically connected areas dow	parcels and conversion to Part 1 by outside habitats = 7 arage); c) Wildlife access to and flife 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 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant) soil erosion or deposition = (normal); f) vegetation comm tition = 7; h) use by animal sp of and associated with water	prary turbidity impacts. Incorest = 8, (consistent with exect of a consistent with exect of a consistent with executive constraints and the constraint of the constraints and the constrai	ividual parameter scores: a) spected); c) soil moisture = 7, adway, adjacent landuses); e) for 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 forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual param 5 (lacking shrubs and ground ; c) regeneration and recruitn and quality of coarse woody d	eter scores: a) plant comm dcover); b) invasive exotic nent = 5, (consistent with e lebris, snag, den, and cavit	s or other invasive plant species		
Score = sum of above sc uplands, divide by current pr w/o pres	(If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		ssessment areas lta x acres =		
0.63	0.5	J					
0.63 Delta = [with-cur		If mitigation Time lag (t-factor) =		For mitigation	assessment areas		

Site/Project Name		Application Number	er	A	ssessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GOI	L-374D
FLUCCs code	Further classification	ation (optional)		Impact of	or Mitigation Site?	Assessment Area Size
630				Existing 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	y forested uplands, and	connects to othe	r wetland systems	5.		
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, 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 f	d loblolly pine along th im. 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 pe	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)				T, SSC	V Listed Species (List s), 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 track	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	Phase 3			W-GOL-374D	
Impact or Mitigation		Assessment conducted by:	te:		
Impact of Milligation Impact (Cl	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	f 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 (adjac	o proximity of roads); d) functi ow somewhat limited by roads cent to highway); f) Hydrologid	ss of contiguous forested p. Support to wildlife listed in l pecies = 9 (negligible cover- 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 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		arary turbidity impacts. Indiv ors = 8, (consistent with exp β , (existing erosion from roa anity zonation = 7 (typical fo eccies with specific hydrologie 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)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 = = 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 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 uplands, divide by 20) current with 0.63 0.5	If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		sessment areas a x acres =	
	If mitigation				
Delta = [with-current]	Time lag (t-factor) =		For mitigation a	ssessment areas	

Site/Project Name		Application Number	er	A	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-374E
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	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. Th namon	d loblolly pine along th im. The shrub stratum e groundcover compri	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca		ng the relative ranty 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 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 trac	ks, droppings, casings	s, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington/M. Goof			4/16/2019			

Site/Project Name			Application Number	Assessment	Assessment Area Name or Number		
G	ulf NFRC F	Phase 3			W-GOL-374E		
Impact or Mitigation			Assessment conducted by: Assessment date:				
	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 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	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 to barriers = 6 (downstream file 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	oss of contiguous forested Support to wildlife listed in species = 9 (negligible cover- tions that benefit fish & wild s and ditching; e) Impacts cally connected areas dow	parcels and conversion to Part 1 by outside habitats = 7 arage); c) Wildlife access to and flife 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 (consistent with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant) soil erosion or deposition = (normal); f) vegetation comm tition = 7; h) use by animal sp of and associated with water	prary turbidity impacts. Incorest = 8, (consistent with exect of a consistent with exect of a consistent with executive constraints and the constraint of the constraints and the constrai	ividual parameter scores: a) spected); c) soil moisture = 7, adway, adjacent landuses); e) for 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 forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a	ed system. Individual param 5 (lacking shrubs and ground ; c) regeneration and recruitn and quality of coarse woody d	eter scores: a) plant comm lcover); b) invasive exotic nent = 5, (consistent with e lebris, snag, den, and cavi	s or other invasive plant species		
Score = sum of above sc uplands, divide by current pr w/o pres	(If preservation as miti Preservation adjustm Adjusted mitigation de	ent factor =		ssessment areas lta x acres =		
0.63	0.0						
0.63 Delta = [with-cur		If mitigation Time lag (t-factor) =		For mitigation	assessment areas		

Site/Project Name		Application Number	er	Assessment Area Name	or Number	
Gulf NFRC Pha	ise 3			W-GO	DL-375	
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation Site?	Assessment Area Size	
630				Existing Condition	5.67 ac. Total	
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 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>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, cine	planted loblolly pine along th sweetgum. The shrub stratum etto. The groundcover compr	he edges. The in comprises highbush ises of a variety of e vine, and shield ferns	
Significant nearby features			regional landsca			
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)				ation by Listed Species (List T, SSC), type of use, and int a)		
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 tracks, droppings, casing	s, nests, etc.):	
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington			4/16/2019			

Site/Project Name		Application Number	Assessment A	rea Name or Number
, Gulf NFRC	Phase 3			W-GOL-375
Impact or Mitigation		Assessment conducted by:	Assessment d	
Impact of Miligation Impact (C	(learing)	M. Harrington	Assessment a	4/16/2019
				1,10,2010
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	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	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	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 commu ation = 7; h) use by animal spe of and associated with water	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) bected); c) soil moisture = 7, adway, adjacent landuses); e) br 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 t; c) regeneration and recruitm and quality of coarse woody do	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 preservation as miti	gation,		sessment areas
uplands, divide by 20) current	Preservation adjustme	ent factor =	FL = del	a x acres =
or w/o pres with 0.63 0.5	Adjusted mitigation de	elta =	FL: 5.67 ac	. x 0.53= 3.01
Dolto Inith coment	If mitigation		For mitigation a	assessment areas
Delta = [with-current]	Time lag (t-factor) =		RFG = delta/(t-facto	r x risk) =
-0.13	Risk factor =			

Site/Project Name		Application Number	er	Assessment Area	a Name o	or Number
Gulf NFRC Pha	se 3				W-GO	L-376
FLUCCs code	Further classifica	ation (optional)		Impact or Mitigation Site	e?	Assessment Area Size
630				Existing Conditi	5.67 ac. Total	
Basin/Watershed Name/Number	Affected Waterbody (Clas	ss)	Special Classificati	ON (i.e.OFW, AP, other local/s	state/federa	I designation of importance)
Apalachicola River						
Geographic relationship to and hy-	drologic connection with	n 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>Thelvoteris</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	planted loblolly pine a sweetgum. The shrub etto. The groundcover namon fern, blackber	along the stratum r compris ry, grape	e edges. The comprises highbush ses of a variety of e vine, and shield ferns
Significant nearby features			regional landsca	nsidering the relative pe.)	rarity in	relation to the
Silvicultural operations, roadways			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious permit/other his	storic use	9
Wildlife habitat, wa	ter treatment and storag	ge		N/A		
Anticipated Wildlife Utilization Bas that are representative of the asse to be found)				ation by Listed Specie T, SSC), type of use, l)		
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 dir	ectly observed, or	r other signs such	as tracks, droppings,	casings	, nests, etc.):
Additional relevant factors:						
Assessment conducted by:			Assessment date	e(s):		
M. Harrington			4/16/2019			

Site/Project Name		Application Number	Assessment A	rea Name or Number
Gulf NFF	C Phase 3			W-GOL-376
Impact or Mitigation		Assessment conducted by:	Assessment d	
-	(Clearing)	M. Harrington	4/16/2019	
	(e.eag)			
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 witi 7 5	landscape support variable herbaceous community. In (reduced by proximity of b from outside = 6 (reduced barriers = 6 (downstream f outside land uses = 6 (adja	to proximity of roads); d) funct flow somewhat limited by roads acent to highway); f) Hydrologi	ass of contiguous forested p Support to wildlife listed in pecies = 9 (negligible cove ions that benefit fish & wild and ditching; e) Impacts t 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 witt 7 7	freshwater marsh, althoug water levels and flows = 8 consistent with expected; of evidence of fire history = 7 hydrologic stress on veget vegetative species toleran = 6, receives road runoff.		parary turbidity impacts. Indi ors = 8, (consistent with exp 6, (existing erosion from ro- unity zonation = 7 (typical f eccies with specific hydrolog quality degradation = 7; j) of	vidual parameter scores: a) pected); c) soil moisture = 7, adway, adjacent landuses); e) or forested wetland); g)
.500(6)(c)Community structu 1. Vegetation and/or 2. Benthic Community w/o pres or current witi 5 3	Clearing of canopy will cor compared to existing fores shrub, or ground stratum = = 7, (few nuisance species distribution = 5; e) density land management practice communities = 7 (normal).	sted system. Individual parame = 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 comm cover); b) invasive exotics nent = 5, (consistent with ex ebris, snag, den, and cavit	or other invasive plant species
Score = sum of above scores/30	(if If preservation as mi	tigation,		ssessment areas
uplands, divide by 20) current	Preservation adjustn	nent factor =	FL = del	ta x acres =
pr w/o pres with 0.63 0.5	Adjusted mitigation of	delta =	FL: 5.67 ac	c. x 0.53= 3.01
		,		
Delta = [with-current]	If mitigation Time lag (t-factor) =		For mitigation a	assessment areas
-0.13	Risk factor =		RFG = delta/(t-facto	r x risk) =
-0.15				

Site/Project Name		Application Number	er	ŀ	Assessment Area Name	or Number
Gulf NFRC Pha	se 3				W-GO	L-376A
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.Ol	FW, AP, other local/state/federa	al 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	/ 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, wi veetbay, Americar , Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cinn	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
Silvicultural operations, roadways			Not rare in relation to regional landscape			
Functions			Mitigation for pre	vious 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)				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	ect Name			Application Number	A	ssessment Are	a Name or Number	
	G	ulf NFRC F	Phase 3				W-GOL-376A	
Impact or	Mitigation			Assessment conducted by:	A	ssessment date	D .	
impact of	-	mpact (Cle	earing)	M. Harrington	~		4/16/2019	
L				, , , , , , , , , , , , , , , , , , ,				
	ng Guidance coring of each		Optimal (10)	Condition is less than optimal, but sufficient to Minimal level of support of Con			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				Condition is insufficie provide wetland/surface functions	
	(6)(a) Locatior ndscape Supp r		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	sociated with clearing the tran for wetland forests through la dividual parameter scores: a sy roads; b) Invasive exotic s 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 wil species = 9 (ne tions that bene s and ditching; ically connecte	bus forested par Idlife listed in Pa Igligible coverag fit fish & wildlife e) Impacts to v Ind areas downst	rcels and conversion to art 1 by outside habitats ge); c) Wildlife access to e downstream-distance o wildlife listed in Part 1 by tream of assessment are	and r a = 7
	(b)Water Envi n/a for upland: r		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 tempor normal; b) water level indicat) soil erosion or deposition = (normal); f) vegetation commation = 7; h) use by animal sp of and associated with water c) existing water quality data =	orary turbidity i tors = 8, (consist 6, (existing erc nunity zonation becies with spec quality degrad	mpacts. Individ stent with expension from road = 7 (typical for cific hydrologica lation = 7; j) dire	dual parameter scores: a cted); c) soil moisture = way, adjacent landuses) forested wetland); g) al requirements = 7; i) ect observation of water	7, ; e) quality
1. `	(c)Community Vegetation an senthic 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	leter scores: a) dcover); b) inv ment = 5, (cons debris, snag, de	plant commun asive exotics of sistent with expe en, and cavity =	ity species in the canopy r other invasive plant spe ected); d) age & size = 5; f) plant condition = 7,	; ecies ; g)
				igntion		For impact asse		
	um of above scc lands, divide by s		If preservation as mit Preservation adjustm Adjusted mitigation d	ent factor =		FL = delta	essment areas x acres =	
upl current or w/o pres	lands, divide by	20) with	Preservation adjustm	ent factor =		FL = delta		
upl current pr w/o pres 0.63	lands, divide by	20) with 0.5	Preservation adjustm Adjusted mitigation d	ent factor =	FC	FL = delta	x acres =	

Site/Project Name		Application Number	er	A	ssessment Area Name	or Number
Gulf NFRC Pha	ise 3				W-GO	L-377A
FLUCCs code	Further classification	ation (optional)		Impact of	or Mitigation Site?	Assessment Area Size
630				Existing 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	y forested uplands, and	connects to othe	r wetland systems	5.		
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, cinn	planted sweetgu etto. The namon f	I loblolly pine along th m. The shrub stratum e groundcover compri ern, 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 pe	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)				T, SSC)	Listed Species (List s), 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 track	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		
Gulf NFRC Phase 3						W-GOL-377A	
Impact or Mitigation			Assessment conducted by:		Assessment date		
Impact (Clearing)			M. Harrington	ſ		4/16/2019	
Scoring Guidance The scoring of each		Optimal (10)	Moderate(7) Condition is less than	Mini	mal (4)	Not Present (0)	
indicator is based on what would be suitable for the type of wetland or surface water assessed	n fully supports op d or fully supports op fully supports op fully supports op fully supports op fully supports op functions		optimal, but sufficient to maintain most wetland/surface waterfunctions	wetland/s	el of support of urface water ictions	Condition is insufficient to provide wetland/surface wate functions	
.500(6)(a) Location a Landscape Suppor 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		oss of contigue Support to wi pecies = 9 (ne ions that bene s and ditching cally connected	ous forested par ildlife listed in Pa egligible coverag efit fish & wildlife ; e) Impacts to v ed areas downst	cels and conversion to art 1 by outside habitats = 7 ge); c) Wildlife access to and a downstream-distance or	
.500(6)(b)Water Enviroi (n/a for uplands) 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		orary turbidity ors = 8, (cons 6, (existing ero unity zonation ecies with spe quality degrad	impacts. Individ istent with exper- osion from road = 7 (typical for cific hydrologica dation = 7; j) dire	tual parameter scores: a) cted); c) soil moisture = 7, way, adjacent landuses); e) forested wetland); g)	
 Vegetation and/or Benthic Community compared to existing fores shrub, or ground stratum = 7, (few nuisance species distribution = 5; e) density 			ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitm ind quality of coarse woody d	eter scores: a lcover); b) inv nent = 5, (con ebris, snag, d) plant communi vasive exotics or sistent with expe en, and cavity =	other invasive plant species ected); d) age & size	
Score = sum of above score uplands, divide by 20 current pr w/o pres 0.63		If preservation as miti Preservation adjustme Adjusted mitigation de	ent factor =		For impact asse FL = delta		
uplands, divide by 20 current pr w/o pres) with	Preservation adjustme	ent factor =		FL = delta	x acres =	
uplands, divide by 20 current pr w/o pres	with 0.5	Preservation adjustme	ent factor =		FL = delta		

Guilt NFRC Phase 3 W-GU-377A Impact or Mitigation Impact (Fill) Assessment conducted by: M-Harrington Assessment date: 4/16/2019 Impact (Fill) Moderate(7) M-Harrington Moderate(7) 4/16/2019 Moderate(7) 4/16/2019 Impact (Fill) Impact (Fill) Moderate(7) Moderate(7) Moderate(7) Moderate(7) Moderate(7) Moderate(7) Moderate(7) Moderate(7) Impact (Fill) Impact (Fill) Impact (Fill) Moderate(7) Moderate(7) Moderate(7) Mode	Site/Project Name			Application Number	sessment Are	essment Area Name or Number		
Impact of Mitigation Impact (Fill) Assessment conducted by: M. Harrington Assessment date: 4/16/2019 Scoring Guidance The scoring of each indicator is based on tor the type of vection of surface water assessed					Assessment Are			
Impact (Fill) M. Harrington 4/16/2019 Scoring Guidance The scoring of each indicator is based on what would be suitable tor the type of wetland drs Condition is optimal and full supports functions Condition is less than of unit supports wetland/surface wetland functions Minimal (4) Not Present (0) Condition is planet surface water assessed Condition is planet functions Condition is less than of unit supports functions Condition is less than of unit supports wetland/surface wetland functions Condition is less than optimal, but sufficient I wetland/surface wetland/surface functions Condition is suffic						W-GOL-377A		
Scoring Guidance Optimal (10) Moderac(7) Minimal (4) Not Present (0) The scoring Guidance is based on industry of the subtable score is subtable sub	Impact or Mitigation			Assessment conducted by:	As	sessment date	9:	
The scoring of each what would be suitable for the type of welfand for submarks and the suitable for the type of welfand for submarks and the suitable for the type of welfand for submarks and the suitable for the type of welfand for submarks and the submarks and the suitable for the type of welfand for submarks and submarks and the submarks and th	Impact (Fill)			M. Harrington			4/16/2019	
The scoring of each what would be suitable for the type of welfand for submarks and the suitable for the type of welfand for submarks and the suitable for the type of welfand for submarks and the suitable for the type of welfand for submarks and the submarks and the suitable for the type of welfand for submarks and submarks and the submarks and th	Seering Guidenee Ontime (40)			Moderate(7)	Minim	Minimal (4) Not Present (6		
Indication is based on what would be suitable for the type of velland or surface water functions Indication is the suitable indication is	,					ai (+)	Not resent (•,
for the type of vertications Weiter Munctions functions functions 5:00(6)(a) Location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the location and Landscape Support Loss of canopy species associated with clearing the transmission line ROW would reduce the location and Indicace support variable for weetland forests through loss of configuous forested parcels and conversion to herbaceous community. Individual parameter scores: a) Support to will the downstream distance or from outside = 6 (reduced to proximity of roads): d) functions that benefit this & willfile downstream distance or from outside = 6 (reduced to proximity of roads): d) functions that benefit this & willfile downstream discases to an from outside = 6 (reduced to proximity of roads): d) functions that benefit this & willfile downstream discases to from outside = 6 (reduced to proximity of roads): d) functions that the entities in the water environment variable. Converting forested system to a from outside = 6 (reduced to proximity of roads): d) functions that benefit this & willfile itsed in Part 1 by outside land uses = 6 (adjacent to highway): f) Hydrologically connected areas downstream diseasesment area = 7 (downstream diseases on assessment area = 7 (downstream areas somewh dependent). .500(6)(b)Water Environment (r/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although sill fencing will reduce temporary turbiding impacts. Individual parameter scores: a) worpers or current with 7 0 .500(6)(c)Community structure (reduced by provide the add lossociated with water quality degradation = 7, i) direci observation of valer qua- es, receives road runoff. K) existin	indicator is based on							
sufface water assessed						•		ce walei
.500(6)(a) Location and Landscape Support Indicape Support wo pres or current with 7 0 .500(6)(b)/Water Environment (r/a for uplands) Clearing the canopy will convert the system to a freshwater marsh although silt forcing will reduce the provinity of busy roads; b) Invasive actic species = 9 (durrent with .500(6)(b)/Water Environment (r/a for uplands) Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh although silt forcing 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; c) soil ensistent or deposition = 6, (existing ensistent with expected; c) soil moisture = 7, consistent with expected; c) soil ensistent or deposition = 6, (existing ensistent with expected; c) soil moisture = 7, consistent with expected; c) soil ensistent or deposition = 6, (existing ensistent with expected; c) soil moisture = 7, consistent with expected; c) soil ensistent or and associated with water quality degradation = 7, i) we getative species tolerant of and associated with water quality degradation = 7, i) we getative species tolerant of and associated with water quality degradation = 7, i) direct observation of water quality benetication = N/A. 7 0 .500(6)(c)Community structure Clearing of canopy will convert the system to a freshwater marsh community with significant loss of functional vali compared to existing forested system. Individual parameter scores: a) plant community species in the canopy. shrub, or ground stratum = 5 (lacking shrubs and groundcores;)) pla	surface water assesse	ed	waterfunctions					
.500(6)(b)Water Environment (n/a for uplands) freshwater marsh, although silt fericing 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 erosin or deposition = 6, (existing erosion from roadway, adjacent landuses); e) evidence of fire history = 7 (normal); f) water level indicators = 8, (existing erosion from roadway, adjacent landuses); e) 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 qua- e 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, currents and lig penetration = N/A. 7 0 .500(6)(c)Community structure Clearing of canopy will convert the system to a freshwater marsh community with significant loss of functional val compared to existing forested system. Individual parameter scores: a) plant community species in the canopy, shrub, or ground stratum = 5 (kcking shrubs and groundcover); b) invasive exotics or other invasive plant specie = 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, ; j land management practices = 5, h) topographic features = 7, ; i) siltation or algal growth in submerged aquatic plac communities = 7 (normal). Score = sum of above scores/30 (if uplands, divide by 20) current If preservation as mitigation, Preservation adjustment factor = Adjusted mitigation delta = For imitigation assessment areas FL: 0.02 ac	Landscape Supp w/o pres or current	port with	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 (normal connectivity); g) De	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	oss 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 t fish & wildlife e) Impacts to v areas downst	rcels and conversion to art 1 by outside habita ge); c) Wildlife access a downstream-distance vildlife listed in Part 1 l rream of assessment a	ts = 7 to and e or by area = 7
1. Vegetation and/or Clearing of canopy will convert the system to a freshwater marsh community with significant loss of functional val 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 1. Vegetation and/or 2. Benthic Community 2. Benthic Community = 7, (few nuisance species); c) regeneration and recruitment = 5, (consistent with expected); d) age & size of press or = 7, (few nuisance species); c) regeneration and recruitment = 5, (consistent with expected); d) age & size out on the system of above scores/30 (if uplands, divide by 20) If preservation as mitigation, or w/o pres Preservation adjustment factor = or w/o pres Adjusted mitigation delta = for mitigation assessment areas firstigation For mitigation assessment areas	.500(6)(b)Water Environment (n/a for uplands) w/o pres or current with expected; d evidence of fire history = 7 hydrologic stress on vegeta vegetative species tolerant = 6, receives road runoff. k penetration = N/A.			silt fencing will reduce tempor normal; b) water level indicato) soil erosion or deposition = ((normal); f) vegetation commi- tion = 7; h) use by animal spe- of and associated with water	prary turbidity im ors = 8, (consist 6, (existing eros unity zonation = ecies with speci quality degrada	pacts. Individ tent with expec- sion from roads 7 (typical for fic hydrologica tion = 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
uplands, divide by 20) Preservation adjustment factor = current Preservation adjustment factor = or w/o pres with 0.63 0 If mitigation For mitigation assessment areas	 Vegetation an Benthic Comm w/o pres or current 	nd/or unity with	compared to existing forest shrub, or ground stratum = = 7, (few nuisance species) distribution = 5; e) density a land management practices	ed system. Individual parame 5 (lacking shrubs and ground t; c) regeneration and recruitm and quality of coarse woody d	eter scores: a) p lcover); b) invas nent = 5, (consis ebris, snag, der	blant 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)
current Preservation adjustment factor = pr w/o pres with 0.63 0 If mitigation FL: 0.02 ac. x 0.63 = 0.013 If mitigation For mitigation assessment areas			If preservation as mit	gation,	Fo			
0.63 0 If mitigation For mitigation assessment areas			Preservation adjustm	ent factor =		FL = delta	x acres =	
If mitigation For mitigation assessment areas		v/o pres with Adjusted mitigation delta =			F	FL: 0.02 ac. x 0.63 = 0.013		
For mitigation assessment areas			J					
				For mitigation assessmen		sessment areas		
	Delta = [with-curr	rent]	Time lag (t-factor) =			1. <i>11</i>		
-0.63 Risk factor = RFG = delta/(t-factor x risk) =	-0.63		Risk factor =	Risk factor = RFG = delta/(t-factor x risk) =				

Site/Project Name		Application Number	ber Assessment Area Name or Number			or Number		
Gulf NFRC Pha	ise 3				W-GOL-380A			
FLUCCs code	Further classifica	Further classification (optional)		Impact	act or Mitigation Site? Assessment Ar			
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 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 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, wi veetbay, Americar ı, Florida anise, ar	ith occurrences of n hornbeam, and s nd bluestem palme oweyed grass, cinn	planted sweetgu etto. Th namon	d loblolly pine along th im. 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.)					
Intertate highway	and Apalachicola Rive	r	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		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(s):					
M. Harrington/M. Goff			4/16/2019					

Site/Project Name			Application Number		Assessment Area Name or Number		
Gulf NFRC Phase 3						W-GOL-380A	
Impact or Mitigation			Assessment conducted by:		Assessment date		
Impact (Clearing)			M. Harrington			4/16/2019	
Scoring Guidance The scoring of each		Optimal (10)	Moderate(7) Mi Condition is less than		nimal (4)	Not Present (0)	
indicator is based on what would be suitable for the type of wetland or surface water assessed	sed on suitable etland or		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 v 7	d I f vith	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) functow somewhat limited by road cent to highway); f) Hydrologi	oss of contig Support to v pecies = 9 (r tions that ber s and ditchin ically connect	uous forested par wildlife listed in Pa negligible coverag nefit fish & wildlife g; e) Impacts to v ted areas downst	cels and conversion to art 1 by outside habitats = 7 ge); c) Wildlife access to and a downstream-distance or	
	nent f k e i i i i i i i i i i i i i i i i i i	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		orary turbidity ors = 8, (con 6, (existing e unity zonatio ecies with sp quality degra	y impacts. Individ sistent with exper- prosion from road on = 7 (typical for pecific 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 struc 1. Vegetation and/or 2. Benthic Community w/o pres or <u>current</u> v 5	(; ; ;	compared to existing foreste shrub, or ground stratum = { = 7, (few nuisance species); distribution = 5; e) density a	ed system. Individual param 5 (lacking shrubs and ground ; c) regeneration and recruitr ind quality of coarse woody d	eter scores: dcover); b) ir nent = 5, (co lebris, snag,	a) plant communi wasive exotics of nsistent with expe den, and cavity =	other invasive plant species	
	30 (if	If preservation as mitig			For impact asse FL = delta		
	vith 0.5	Preservation adjustme Adjusted mitigation de				x acres =	
uplands, divide by 20) current or w/o pres w							
uplands, divide by 20) current or w/o pres w	0.5	Adjusted mitigation de			For mitigation ass		

Site/Project Name			Application Number	sessment Area Name or Number			
				Assessment Ar			
Gulf NFRC Phase 3					W-GOL-380A		
Impact or Mitigation			Assessment conducted by:	Asse	essment date	9:	
Impact (Fill)			M. Harrington	on 4/16/2019			
Scoring Guidance Optimal (10)			Moderate(7)	Minimal	Minimal (4) Not Present (0		
The scoring of each	Scoring Guidance The scoring of each		Condition is less than	winnina (4)		Not resent (3)
indicator is based on		Condition is optimal and fully supports	optimal, but sufficient to maintain most	Minimal level of support of wetland/surface water p		Condition is insufficient to provide wetland/surface water	
what would be suitable for the type of wetland or		wetland/surface water functions	wetland/surface		functions functions		ice walei
surface water assesse	ed	Tunctions waterfunctions					
.500(6)(a) Location 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 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 par e listed in Pa gible coverag ish & wildlife Impacts to v reas 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) (n/a for uplands) (n			nporarily impact the water env silt fencing will reduce tempor 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) existing water quality data =	prary turbidity impors = 8, (consisten 6, (existing erosio unity zonation = 7 ecies with specific quality degradatio	acts. Individ nt with experi- n from road (typical for hydrologica on = 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
.500(6)(c)Community 1. Vegetation an 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	vert the system to a freshwate ed system. Individual parame 5 (lacking shrubs and ground ; c) regeneration and recruitin and quality of coarse woody do s = 5, h) topographic features	eter scores: a) pla cover); b) invasiv nent = 5, (consiste ebris, snag, den,	ant communi ve exotics or ent with expe 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 miti	gation,	For		essment areas	
uplands, divide by 20) current		Preservation adjustme	ent factor =		FL = delta	x acres =	
pr w/o pres	w/o pres with Adjusted mitigation delta			FL:	0.055 ac. x	0.63 = 0.035	
	-	J					
		If mitigation		For m	nitigation ass	sessment areas	
Delta = [with-curr	rent]	Time lag (t-factor) =					
-0.63		Risk factor =	Risk factor = RFG = delta/(t-factor x risk) =			risk) =	
				<u> </u>			