ATTACHMENT B

Representative UMAM Worksheets by Impact Type

Attachment B.

Summary Table of Forested Wetland Impacts

		Temporary Impact Acres	Permanent Impact Acres		
Forested Wetland Type	**UMAM (Range)**	**Temporary Construction (Canopy Clearing)**	**Permanent Fill**	**Permanent Conversion to Herbaceous WL**	**Total Impact Acres**
611	.57 - .8	1.024	0.030	21.101	22.155
613	.47-.63	0.736	0.023	20.654	21.413
614	.57-.67	0.000	0.002	1.035	1.037
615	.5-.8	0.000	0.002	2.116	2.118
616	0.43	0.000	0.000	0.326	0.326
617	.33-.73	1.221	0.057	42.640	43.918
621	.5-.8	0.080	0.006	3.714	3.800
625	0.43	0.075	0.000	0.000	0.075
630	.3-.8	1.568	0.107	91.628	93.303
		4.704	0.227	183.214	188.145

PART I – Qualitative Description
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		Bay Swamps (FLUCFCS 611) - see attached list for Wetland ID's

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
611	Bay Swamps	Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10 Alligator Creek-Aucilla River	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands

Adjacent to I-10 and historical swamp to the north. Has been hydrologically impacted.

Assessment area description

Depressional bay swamp

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10	Somewhat due to connection to large bottomland swamp to the north.

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, wildlife habitat	NA

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected 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)
Provides habitat and refuge for mammals, wading birds, raptors, woodpeckers, reptiles and amphibians.	NA

Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):
Numerous songbirds, egrets, raptors and woodpeckers. Several species of frogs.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
E&E	

Form 62-345.900(1), F.A.C. [effective date 02-04-2004]

County	Type	MP_	Wetland ID	FLUCCS	Impact Type	UMAM	Impact Acreage
Madison	Wetland	68.9	W-EE-118	611	Perm Conversion	0.57	2.860
Madison	Wetland	68.9	W-EE-118	611	Perm Fill	0.57	0.005
Madison	Wetland	68.9	W-EE-118	611	Temp Construction	0.57	0.031
Jefferson	Wetland	84.5	W-EE-143	611	Perm Conversion	0.6	0.472
Jefferson	Wetland	84.5	W-EE-143	611	Perm Fill	0.6	0.001
Jefferson	Wetland	84.5	W-EE-143	611	Temp Construction	0.6	0.226
Jefferson	Wetland	84.7	W-EE-145	611	Perm Conversion	0.77	1.327
Jefferson	Wetland	84.7	W-EE-145	611	Perm Fill	0.77	0.001
Jefferson	Wetland	85.1	W-EE-147	611	Perm Conversion	0.57	0.155
Jefferson	Wetland	86.1	W-EE-151	611	Perm Conversion	0.67	0.779
Jefferson	Wetland	86.1	W-EE-151	611	Perm Fill	0.67	0.001
Jefferson	Wetland	86.1	W-EE-151	611	Temp Construction	0.67	0.308
Jefferson	Wetland	86.6	W-EE-152	611	Perm Conversion	0.73	2.567
Jefferson	Wetland	86.6	W-EE-152	611	Perm Fill	0.73	0.003
Jefferson	Wetland	86.6	W-EE-152	611	Temp Construction	0.73	0.459
Jefferson	Wetland	88.4	W-EE-164A	611	Perm Conversion	0.8	7.599
Jefferson	Wetland	88.4	W-EE-164A	611	Perm Fill	0.8	0.010
Jefferson	Wetland	89.4	W-EE-164B	611	Perm Conversion	0.8	0.782
Jefferson	Wetland	89.4	W-EE-164B	611	Perm Fill	0.8	0.001
Jefferson	Wetland	89.6	W-EE-164C	611	Perm Conversion	0.8	1.326
Jefferson	Wetland	89.6	W-EE-164C	611	Perm Fill	0.8	0.001
Jefferson	Wetland	90.6	W-EE-172	611	Perm Conversion	0.63	0.240
Jefferson	Wetland	90.8	W-EE-173_1	611	Perm Conversion	0.7	0.406
Jefferson	Wetland	90.8	W-EE-173_1	611	Perm Fill	0.7	0.001
Jefferson	Wetland	90.9	W-EE-173_3	611	Perm Conversion	0.7	0.323
Jefferson	Wetland	91.1	W-EE-175A	611	Perm Conversion	0.73	1.878
Jefferson	Wetland	91.1	W-EE-175A	611	Perm Fill	0.73	0.002
Jefferson	Wetland	98.8	W-EE-207A	611	Perm Conversion	0.63	0.051
Jefferson	Wetland	98.9	W-EE-207B	611	Perm Conversion	0.63	0.122
Jefferson	Wetland	98.9	W-EE-207B	611	Perm Fill	0.63	0.001
Jefferson	Wetland	99.6	W-EE-209	611	Perm Conversion	0.77	0.139
Jefferson	Wetland	99.8	W-EE-211	611	Perm Conversion	0.77	0.060
Jefferson	Wetland	99.8	W-EE-211	611	Perm Fill	0.77	0.001
Jefferson	Wetland	100.5	W-EE-212	611	Perm Conversion	0.7	0.015
							22.155

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		Bay Swamps (FLUCFCS 611) - see attached list for Wetland ID's
Impact or Mitigation	Assessment conducted by:	Assessment date:
Temporary Construction Impacts	E&E	

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 Range 4 - 8. Average = 6.6 w/o pres or current: Av=6.6 — with: 7	The wetland is located off of an exit ramp, adjacent to Interstate I-10 and a state road. The wetland is part of a significant bottomland swamp to the north.
.500(6)(b)Water Environment (n/a for uplands) Range 6- 8; Average = 7.4 w/o pres or current: Av=7.4 — with: 7	The wetland is a band of bottomland swamp. The hydrology has been impacted by the construction of I-10 to the south and timbering practices to the north.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 6- 8; Average = 7.6 w/o pres or current: Av= 7.6 — with: 3	Appropriate vegetation which includes red maple, sweetbay, and loblolly bay. Understory included swamp bay, buttonbush, fetterbush and Cliftonia. Groundcover included wetland sedges and emergent wetland species.

Score = sum of above scores/30 (if uplands, divide by 20)	
current or w/o pres	with
Av =0.72	Av =0.56

If preservation as mitigation,
Preservation adjustment factor =
Adjusted mitigation delta =

For impact assessment areas
FL = delta x acres x time lag = 0.16 x 1.024 x 1.46 = 0.239

Delta = [with-current]
- 0.16

If mitigation
Time lag (t-factor) =
Risk factor =

For mitigation assessment areas
RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP_	Wetland ID	FLUCCS	Impact Type	UMAM	Impact Acreage
Madison	Wetland	68.9	W-EE-118	611	Temp Construction	0.57	0.031
Jefferson	Wetland	84.5	W-EE-143	611	Temp Construction	0.6	0.226
Jefferson	Wetland	86.1	W-EE-151	611	Temp Construction	0.67	0.308
Jefferson	Wetland	86.6	W-EE-152	611	Temp Construction	0.73	0.459
							1.024

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		Bay Swamps (FLUCFCS 611) - see attached list for Wetland ID's
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact/Permanent Fill	E&E	2/7/2019

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 Range 4 - 8; Average = 6.42 w/o pres or current: 7 — with: 0	The wetland is located off of an exit ramp, adjacent to Interstate I-10 and a state road. The wetland is part of a significant bottomland swamp to the north.
.500(6)(b)Water Environment (n/a for uplands) Range 5- 8; Average = 7.11 w/o pres or current: 7 — with: 0	The wetland is a band of bottomland swamp. The hydrology has been impacted by the construction of I-10 to the south and timbering practices to the north.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 5- 8; Average = 7.31 w/o pres or current: Av=7.31 — with: 0	Appropriate vegetation which includes red maple, sweetbay, and loblolly bay. Understory included swamp bay, buttonbush, fetterbush and Cliftonia. Groundcover included wetland sedges and emergent wetland species.

Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitigation,	For impact assessment areas
Range from .57 - .8 current or w/o pres: Av=0.63 — with: 0	Preservation adjustment factor =	FL = delta x acres = 0.63 x 0.30 = 0.019
	Adjusted mitigation delta =	

Delta = [with-current]	If mitigation	For mitigation assessment areas
-0.63	Time lag (t-factor) =	RFG = delta/(t-factor x risk) =
	Risk factor =	

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		Bay Swamps (FLUCFCS 611) - see attached list for Wetland ID's
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact - Permanent Conversion to Herbaceous		2/7/2019

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 Range 4 - 8; Average = 6.42 w/o pres or current Av=6.42 with Av=6.42	The wetland is located off of an exit ramp, adjacent to Interstate I-10 and a state road. The wetland is part of a significant bottomland swamp to the north.
.500(6)(b)Water Environment (n/a for uplands) Range 5- 8; Average = 7.11 w/o pres or current Av=7.1 with Av=7.10	The wetland is a band of bottomland swamp. The hydrology has been impacted by the construction of I-10 to the south and timbering practices to the north.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 5- 8; Average = 7.31 w/o pres or current Av=7.31 with Av=3.0	Appropriate vegetation which includes red maple, sweetbay, and loblolly bay. Understory included swamp bay, buttonbush, fetterbush and Cliftonia. Groundcover included wetland sedges and emergent wetland species.

Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitigation,	For impact assessment areas
current or w/o pres Av=0.63 Range from .57 - .8 with Av=.55	Preservation adjustment factor =	FL = delta x acres = 0.08 x 21.101 =
	Adjusted mitigation delta =	

Delta = [with-current]	If mitigation	For mitigation assessment areas
-.08	Time lag (t-factor) =	RFG = delta/(t-factor x risk) =
	Risk factor =	

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP_	Wetland ID	FLUCCS	Impact Type	UMAM	Impact Acreage
Madison	Wetland	68.9	W-EE-118	611	Perm Conversion	0.57	2.860
Jefferson	Wetland	84.5	W-EE-143	611	Perm Conversion	0.6	0.472
Jefferson	Wetland	84.7	W-EE-145	611	Perm Conversion	0.77	1.327
Jefferson	Wetland	85.1	W-EE-147	611	Perm Conversion	0.57	0.155
Jefferson	Wetland	86.1	W-EE-151	611	Perm Conversion	0.67	0.779
Jefferson	Wetland	86.6	W-EE-152	611	Perm Conversion	0.73	2.567
Jefferson	Wetland	88.4	W-EE-164A	611	Perm Conversion	0.8	7.599
Jefferson	Wetland	89.4	W-EE-164B	611	Perm Conversion	0.8	0.782
Jefferson	Wetland	89.6	W-EE-164C	611	Perm Conversion	0.8	1.326
Jefferson	Wetland	90.6	W-EE-172	611	Perm Conversion	0.63	0.240
Jefferson	Wetland	90.8	W-EE-173_1	611	Perm Conversion	0.7	0.406
Jefferson	Wetland	90.9	W-EE-173_3	611	Perm Conversion	0.7	0.323
Jefferson	Wetland	91.1	W-EE-175A	611	Perm Conversion	0.73	1.878
Jefferson	Wetland	98.8	W-EE-207A	611	Perm Conversion	0.63	0.051
Jefferson	Wetland	98.9	W-EE-207B	611	Perm Conversion	0.63	0.122
Jefferson	Wetland	99.6	W-EE-209	611	Perm Conversion	0.77	0.139
Jefferson	Wetland	99.8	W-EE-211	611	Perm Conversion	0.77	0.060
Jefferson	Wetland	100.5	W-EE-212	611	Perm Conversion	0.7	0.015
							21.101

PART I – Qualitative Description
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		Gum Swamps (FLUCFCS 613) - see attached list for Wetland ID's

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
613	Gum Swamps		

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10 Alligator Creek/Aucilla River	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands

Adjacent to I-10

Assessment area description

The wetland is partially planted pine (441-Hydric), very little vegetation in the understory, mostly needle cast. Large open water ditch is adjacent to road which is adjacent to the wetland, drains under I-10.

5 I-10, Planted pine, ponded water is on I-10	Uniqueness (considering the relative rarity in relation to the regional landscape.) not unique
Functions Minimal Water quality, water storage, wildlife habitat	Mitigation for previous permit/other historic use NA
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) deer, reptiles, raccoon, opossum	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)

Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):

Additional relevant factors:

Assessment conducted by: E E	Assessment date(s):

Form 62-345.900(1), F.A.C. [effective date 02-04-2004]

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Madison	Wetland	66.6	W-EE-113	613	Perm Conversion	0.47	1.426
Madison	Wetland	69.4	W-EE-119A	613	Perm Conversion	0.53	0.460
Madison	Wetland	69.4	W-EE-119B	613	Perm Conversion	0.53	0.019
Madison	Wetland	73.5	W-EE-123	613	Perm Conversion	0.63	14.923
Madison	Wetland	76.9	W-EE-125	613	Perm Conversion	0.53	3.114
Jefferson	Wetland	88	W-EE-161	613	Perm Conversion	0.50	0.713
Jefferson	Wetland	88	W-EE-161	613	Temp Construction	0.50	0.041
Madison	Wetland	0	W-EE-AA-003	613	Temp Construction	0.53	0.157
Madison	Wetland	0	W-EE-AA-004	613	Temp Construction	0.53	0.051
Madison	Wetland	73.5	W-EE-123	613	Temp Construction	0.63	0.482
Madison	Wetland	76.9	W-EE-125	613	Temp Construction	0.53	0.006
Madison	Wetland	66.6	W-EE-113	613	Perm Fill	0.47	0.002
Madison	Wetland	69.4	W-EE-119A	613	Perm Fill	0.53	0.001
Madison	Wetland	73.5	W-EE-123	613	Perm Fill	0.63	0.017
Madison	Wetland	76.9	W-EE-125	613	Perm Fill	0.53	0.002
							21.413

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		Gum Swamps (FLUCFCS 613) - see attached list for Wetland ID's
Impact or Mitigation Temporary Construction Impacts	Assessment conducted by:	Assessment date:

Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

Adjacent to I-10 Range 5 -6; Av = 5.2 4 w/o pres or current / with Av = 5.2 / Av = 5.2	The wetland has planted pines, center area is ponded swamp, looks isolated
.500(6)(b)Water Environment (n/a for uplands) Range 5 -6; Av = 5.4 current / with Av 5.4 / Av = 5.4	The hydrology of this wetland is impacted but is a functioning depressional wetland
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 5 -7; Av = 5.8 current / with Av = 5.8 / Av = 3	The species on the edges are are planted pines but the interior is an inundated swamp with appropriate species, especially toward the center (outside the project area). The edge of the wetland is in the project area and is affected by altered drainage and species.

Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitigation,	For impact assessment areas
current / with or w/o pres / with Av - 0.55 / Av = 0.45	Preservation adjustment factor = Adjusted mitigation delta =	FL = delta x acres x time lag = 0.10 x 0.736 x 1.46 = .107

Delta = [with-current]	If mitigation	For mitigation assessment areas
-0.10	Time lag (t-factor) = Risk factor =	RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP	Wetland ID	FLUCCS	Impact Type	UMAM	Impact Acreage
Madison	Wetland	73.5	W-EE-123	613	Temp Construction	0.63	0.482
Madison	Wetland	76.9	W-EE-125	613	Temp Construction	0.53	0.006
Jefferson	Wetland	88	W-EE-161	613	Temp Construction	0.5	0.041
Madison	Wetland	0	W-EE-AA-003	613	Temp Construction	0.53	0.157
Madison	Wetland	0	W-EE-AA-004	613	Temp Construction	0.53	0.051
							0.736

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		Gum Swamps (FLUCFCS 613) - see attached list for Wetland ID's
Impact or Mitigation Impact - Permanent Fill (pole)	Assessment conducted by:	Assessment date:

Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

Adjacent to I-10 Range 5 -6; Av = 5.16 5.16 / 0	The wetland has planted pines, center area is ponded swamp, looks isolated	
.500(6)(b)Water Environment (n/a for uplands) Range 5 -6 Av = 5.33 current 5.3 / with 0	The hydrology of this wetland is impacted but is a functioning depressional wetland	
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 5 -7; Av = 5.5 current 5.5 / with 0	The species on the edges are are planted pines but the interior is an inundated swamp with appropriate species, especially toward the center (outside the project area). The edge of the wetland is in the project area and is affected by altered drainage and species.	

Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitigation,	For impact assessment areas
current or w/o pres 0.53 / with 0	Preservation adjustment factor =	FL = delta x acres = 0.53 x .023 = 0.012
	Adjusted mitigation delta =	

Delta = [with-current]	If mitigation	For mitigation assessment areas
-0.53	Time lag (t-factor) =	RFG = delta/(t-factor x risk) =
	Risk factor =	

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Madison	Wetland	66.6	W-EE-113	613	Perm Fill	0.47	0.002
Madison	Wetland	69.4	W-EE-119A	613	Perm Fill	0.53	0.001
Madison	Wetland	73.5	W-EE-123	613	Perm Fill	0.63	0.017
Madison	Wetland	76.9	W-EE-125	613	Perm Fill	0.53	0.002
							0.023

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		Gum Swamps (FLUCFCS 613) - see attached list for Wetland ID's
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact - Permanent Conversion to Herbaceous		

Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

Adjacent to I-10 Range 5 -6; Av = 5.16 Av = 5.16 Av = 4.83	The wetland has planted pines, center area is ponded swamp, looks isolated
.500(6)(b)Water Environment (n/a for uplands) Range 5 -6; Av = 5.3 w/o pres or current Av = 5.3 with Av = 5.33	The hydrology of this wetland is impacted but is a functioning depressional wetland
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 5 -7; Av = 5.5 current Av =5.5 with 3	The species on the edges are are planted pines but the interior is an inundated swamp with appropriate species, especially toward the center (outside the project area). The edge of the wetland is in the project area and is affected by altered drainage and species.

Score = sum of above scores/30 (if uplands, divide by 20)
current or w/o pres Av = 0.53 with Av = 0.43

If preservation as mitigation,
Preservation adjustment factor =
Adjusted mitigation delta =

For impact assessment areas
FL = delta x acres= 0.10 x 20.654 = 2.065

Delta = [with-current]
-0.10

If mitigation
Time lag (t-factor) =
Risk factor =

For mitigation assessment areas
RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Madison	Wetland	66.6	W-EE-113	613	Perm Conversion	0.47	1.426
Madison	Wetland	69.4	W-EE-119A	613	Perm Conversion	0.53	0.460
Madison	Wetland	69.4	W-EE-119B	613	Perm Conversion	0.53	0.019
Madison	Wetland	73.5	W-EE-123	613	Perm Conversion	0.63	14.923
Madison	Wetland	76.9	W-EE-125	613	Perm Conversion	0.53	3.114
Jefferson	Wetland	88	W-EE-161	613	Perm Conversion	0.50	0.713
							20.654

PART I – Qualitative Description
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		Titi Swamps (FLUCFCS 614) - Wetland ID's W-ECT-N-229_3, W-EE-167

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
614	Titi Swamps		

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10 Alligator Creek-Aucilla River	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands

Adjacent to I-10

Assessment area description

Small, isolated titi swamp.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10	Not unique

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, wildlife habitat	NA

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected 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)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):

None

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/5/2019

Form 62-345.900(1), F.A.C. [effective date 02-04-2004]

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Jefferson	Wetland	108.6	W-ECT-N-229_3	614	Perm Conversion	0.67	0.849
Jefferson	Wetland	90	W-EE-167	614	Perm Conversion	0.57	0.186
Jefferson	Wetland	108.6	W-ECT-N-229_3	614	Perm Fill	0.67	0.002
							1.037

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		Titi Swamps (FLUCFCS 614) - Wetland ID's W-ECT-N-229_3
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact - Permanent Fill	A. Wickman and N. Calhoun	2/5/2019

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

	w/o pres or current	with	
.500(6)(a) Location and Landscape Support	6	6	The wetland is located adjacent to Interstate I-10, a coniferous plantation, and a farm road.
.500(6)(b)Water Environment (n/a for uplands)	7	7	The wetland is a small isolated titi swamp. The hydrology has been impacted by the construction of I-10 to the south and a farm road to the north.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	7	3	No canopy, titi wetland with some standing water and high leaf litter. No benthic species observed.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.67	0.53

Delta = [with-current]
-0.14

If preservation as mitigation,
Preservation adjustment factor =
Adjusted mitigation delta =

If mitigation
Time lag (t-factor) =
Risk factor =

For impact assessment areas
FL = delta x acres = 0.14 x 0.002 = 0.000

For mitigation assessment areas
RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		Titi Swamps (FLUCFCS 614) - Wetland ID's W-ECT-N-229_3, W-EE-167
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact - Permanent Conversion to Herbaceous		

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: 6	with: 6	The wetland is located adjacent to Interstate I-10, a coniferous plantation, and a farm road.
.500(6)(b)Water Environment (n/a for uplands) Range 5 - 7, Average = 6	w/o pres or current: 6	with: 6	The wetland is a small isolated titi swamp. The hydrology has been impacted by the construction of I-10 to the south and a farm road to the north.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 6- 7, Average = 6.5	w/o pres or current: 6.5	with: 3	No canopy, titi wetland with some standing water and high leaf litter. No benthic species observed.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	Av = 0.74	Av = 0.50

If preservation as mitigation,
Preservation adjustment factor =
Adjusted mitigation delta =

For impact assessment areas
FL = delta x acres = 0.23 s 1.035 = 0.238

Delta = [with-current]
- 0.23

If mitigation
Time lag (t-factor) =
Risk factor =

For mitigation assessment areas
RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

PART I – Qualitative Description
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 615 - Stream and Lake Swamps (Bottomland); See Attached List for Wetland ID's

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
615	Stream and Lake Swamps (Bottomland)	Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
Wacissa River / 95990000		

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands

This wetland is a large stream fringe wetland associated with Caney Branch Stream. Caney Branch flows east to west along the Survey area for almost three miles before heading south. The stream and its associated wetland meander in and out of the survey area while connecting to larger wetland systems to the south.

Assessment area description

This Bottomland wetland is associated with Caney Branch stream. The stream is well defined and the wetland is generally characterized as hardwood floodplain. Some areas of the AA open up to a freshwater marsh where the stream crosses the FGT corridor.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Caney Branch, Story Lake	This bottomland wetland follow a well defined natural stream system for three miles across the assessment area.

Functions	Mitigation for previous permit/other historic use
BIOLOGICAL: Vertical heterogeneity (3-4 strata); wading bird feeding, roosting, nesting; macroinvertebrate habitat; small-medium-large mammal habitat (cover, food, dens); amphibian/reptile cover, breeding, and feeding. PHYSICAL/CHEMICAL: Water quality treatment; sediment/erosion control; recharge/discharge; detrital export; flood retention/detention.	N/A

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected 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)
MAMMALS: short-tailed & southeastern shrews, opossum, raccoon, gray & flying squirrels, otter, beaver, mink, wood & rice rats, cotton & golden mice, gray fox, white-tailed deer, bobcat, black bear; BIRDS: wood duck, ruby-throated hummingbird, cedar waxwing, great-horned & barred owls, red-tailed & red-shouldered hawks, cardinal, very, hermit thrush, chimney swift, yellow-billed cuckoo, yellow-throated, Swainson's, hooded, and prothonotary warblers, pileated & hairy woodpeckers, swallow-tailed & Mississippi kites, Acadian flycatcher, turkey, yellow-crowned night heron, screech owl, parula, rufous-sided towhee, woodcock, Carolina wren, white-eyed & red-eyed vireos; HERPETOFAUNA: cricket frog, bullfrog, river frog, leopard frog, bird-voiced & gray treefrogs, southern toad, amphiuma, marbled, mole, dusky, waterdog, two-lined, three-lined, dwarf, rusty mud, and slimy salamanders, moccasin, ring-necked, gray rat, mud, eastern king, red bellied water, rainbow, crayfish, black swamp, & brown water snakes, five-lined and broadhead skinks, alligator, river Cooter, and stinkpot.	Alligator (SSC, foraging, breeding, long-term), Florida black bear (T, foraging, incidental), little blue heron (SSC, foraging, roosting, nesting, seasonal), snowy egret (SSC, foraging, roosting, nesting, seasonal) and tricolored heron (SSC, foraging, roosting, nesting, seasonal).

Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):

Small and Large Fish, Several species of snakes including multiple cotton mouth, various bird species including wading birds, Evidence of turtles, snails, evidence of crayfish, deer tracks and various unidentified droppings.

Additional relevant factors:

Caney Branch continues south to where it joins Wacissa River.

Assessment conducted by:	Assessment date(s):
T.Callahan, R. Mcloughlin ECT Inc.	5/21/2019

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Jefferson	Wetland	0	W-ECT-N-216C_2	615	Perm Conversion	0.8	0.311
Jefferson	Wetland	105.9	W-ECT-N-216C_3	615	Perm Conversion	0.8	0.459
Jefferson	Wetland	106.6	W-ECT-N-216F	615	Perm Conversion	0.8	0.890
Madison	Wetland	68.7	W-EE-117	615	Perm Conversion	0.5	0.457
Jefferson	Wetland	105.9	W-ECT-N-216C_3	615	Perm Fill	0.8	0.001
Jefferson	Wetland	106.6	W-ECT-N-216F	615	Perm Fill	0.8	0.001
							2.118

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 615 - Stream and Lake Swamps (Bottomland); Wetland ID's W-ECT-N-216C_3, W-ECT-N-216_F
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact - Permanent Fill (Poles)	ECT	

Scoring Guidance	**Optimal (10)**	**Moderate(7)**	**Minimal (4)**	**Not Present (0)**
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(6)(a) Location and Landscape Support Range 4 -8; Average = 7 w/o pres or current: 7 — with:	This wetland surrounds Caney Branch Stream. The stream channel is well defined and offers consistent structure to this bottomland forest. The stream and its associated wetland meander in and out of the survey area several times over a three mile stretch before heading south to join Wacissa River. Support to wildlife by outside habitats is near optimal. The stream for the most part traverses remote areas crossing under one road (Gamble Road) via a large bridge. There is no disruption of flow except when the stream nears the FGT corridor and develops more marsh characteristics. The downstream benefits of this wetland are near optimal as the stream channel is undisturbed. There is significant protection of wetland functions due to the lack of surrounding development.
.500(6)(b)Water Environment (n/a for uplands) Range 5 -8; Average = 7.25 w/o pres or current: 7.25 — with: 0	Distinct hydrologic indicators present (saturation, stained leaves, water marks, muck presence). Natural flows patterns are somewhat altered due to the Gamble road crossing and stream maintenance near the FGT corridor. Water levels are appropriate and consistent within the stream bed. There are no signs of hydrological stress as this appears to be an old growth forested system. This wetland/stream are highly utilized by animal species with hydrological requirements. There are no nearby developed features (other than Gamble Road) that could potentially contribute to water quality degradation.
.500(6)(c)Community structure Range 5 -8; Average = 7.5 1. Vegetation and/or 2. Benthic Community w/o pres or current: 7.5 — with: 0	The forested riverine system is primarily hardwood (Nyssa, Persea, Pinus), with a majority of the species being appropriate. There is however a minimal exotic presence (Lygodium). Age and size distribution appear normal for an old growth forested system. Plant condition is healthy with normal diversity. Topographic features have been altered due to FGT corridor maintenance and bridging of Gamble Road. Conversion to herbaceous will remove structural habitat, but promote understory species.

Score = sum of above scores/30 (if uplands, divide by 20)		
current or w/o pres: 0.682	with: 0	

Delta = [with-current]
-0.682

If preservation as mitigation,	
Preservation adjustment factor =	
Adjusted mitigation delta =	0

If mitigation	
Time lag (t-factor) =	
Risk factor =	

For impact assessment areas
FL = delta x acres = 0.682 x .0023 = 0.002

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	#DIV/0!

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 615 - Stream and Lake Swamps (Bottomland); Wetland ID's W-ECT-N-216C_2, W-ECT-N-216C_3, W-ECT-N-216_F, W-EE-117
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact - Permanent Conversion to Herbaceous	E&E, ECT Inc.	

Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(6)(a) Location and Landscape Support Range 4 -8; Average = 7 w/o pres or current: 7 with: 7	This wetland surrounds Caney Branch Stream. The stream channel is well defined and offers consistent structure to this bottomland forest. The stream and its associated wetland meander in and out of the survey area several times over a three mile stretch before heading south to join Wacissa River. Support to wildlife by outside habitats is near optimal. The stream for the most part traverses remote areas crossing under one road (Gamble Road) via a large bridge. There is no disruption of flow except when the stream nears the FGT corridor and develops more marsh characteristics. The downstream benefits of this wetland are near optimal as the stream channel is undisturbed. There is significant protection of wetland functions due to the lack of surrounding development.
.500(6)(b)Water Environment (n/a for uplands) Range 5 -8; Average = 7.25 w/o pres or current: 7.25 with: 7.25	Distinct hydrologic indicators present (saturation, stained leaves, water marks, muck presence). Natural flows patterns are somewhat altered due to the Gamble road crossing and stream maintenance near the FGT corridor. Water levels are appropriate and consistent within the stream bed. There are no signs of hydrological stress as this appears to be an old growth forested system. This wetland/stream are highly utilized by animal species with hydrological requirements. There are no nearby developed features (other than Gamble Road) that could potentially contribute to water quality degradation.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 6 -8; Average = 7.5 w/o pres or current: 7.5 with: 3	The forested riverine system is primarily hardwood (Nyssa, Persea, Pinus), with a majority of the species being appropriate. There is however a minimal exotic presence (Lygodium). Age and size distribution appear normal for an old growth forested system. Plant condition is healthy with normal diversity. Topographic features have been altered due to FGT corridor maintenance and bridging of Gamble Road. Conversion to herbaceous will remove structural habitat, but promote understory species.

Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitigation,	For impact assessment areas
current or w/o pres: 0.682 with: 0.575	Preservation adjustment factor =	FL = delta x acres = 0.107 x 2.116= 0.226
	Adjusted mitigation delta = 0	

Delta = [with-current]	If mitigation	For mitigation assessment areas
-0.107	Time lag (t-factor) =	RFG = delta/(t-factor x risk) =
	Risk factor =	

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

PART I – Qualitative Description
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 616 W-EE-124

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
616	Inland Ponds and Sloughs		

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10 Fearnside Lake	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands

Adjacent to I-10; The wetland has a dam just outside the project area

Assessment area description

This pond holds water but has live oaks in it, indicating that it also dries out. There are titi shrubs in the center. Not much vegetation otherwise.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10; Dam upstream	Very large wetland makes it unique

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, wildlife habitat	NA

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Wading birds, reptiles, mammals	Black bear, alligator, wading birds, wood stork habitat is present

Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Elva Peppers	2/8/2019

Form 62-345.900(1), F.A.C. [effective date 02-04-2004]

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-124
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact - Permanent Conversion to Herbaceous	Elva Peppers	2/8/2019

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: 4	with: 4	The pond may be from a previous excavation. There is a manmade berm to the north that separates this from the larger wetland to the north.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 4	with: 4	The hydroperiod of this wetland is severely altered, but still performs its functions to a certain degree.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 5	with: 3	The natural condition of this area may have been a gum/bay/maple swamp similar to the major wetland that is adjacent. There are not many plants or trees inside the wetland as it is now an ephemeral pond.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.43	0.36

Delta = [with-current]
-0.07

If preservation as mitigation,
Preservation adjustment factor =
Adjusted mitigation delta =

If mitigation
Time lag (t-factor) =
Risk factor =

For impact assessment areas
FL = delta x acres = 0.07 x 0.326 = 0.0228

For mitigation assessment areas
RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

PART I – Qualitative Description
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 617 - Mixed Wetland Hardwoods See Attached List for Wetland ID's

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
617	Mixed Wetland Hardwoods	Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
arious	Class 3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands

Begins at I-10 and expands north towards a bigger wetland outside of the right of way.

Assessment area description

Concave bowl holding surface water. Shallow, non-flowing water.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 to the south and larger wetland to the north owned and managed by SRWMD.	Not unique

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, and wildlife habitat	N/A

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected 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)
Mammals, amphibians,and reptiles. Less than ideal habitat.	N/A

Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):

Deer tracks and various animal signs

Additional relevant factors:

Adjacent to silvicultural practices on west side of wetland.

Assessment conducted by:	Assessment date(s):
Golder, ECT, and E E	

Form 62-345.900(1), F.A.C. [effective date 02-04-2004]

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Columbia	Wetland	18.8	W-ECT-045A	617	Perm Conversion	0.6	0.662
Columbia	Wetland	18.9	W-ECT-045B	617	Perm Conversion	0.6	0.057
Columbia	Wetland	19.6	W-ECT-046	617	Perm Conversion	0.5	0.067
Suwannee	Wetland	29.2	W-ECT-067A	617	Perm Conversion	0.67	0.066
Suwannee	Wetland	29.3	W-ECT-067B	617	Perm Conversion	0.67	1.671
Suwannee	Wetland	29.7	W-ECT-068	617	Perm Conversion	0.5	1.418
Suwannee	Wetland	30.5	W-ECT-069	617	Perm Conversion	0.47	0.763
Suwannee	Wetland	31.8	W-ECT-071	617	Perm Conversion	0.6	3.471
Suwannee	Wetland	32.6	W-ECT-073_1	617	Perm Conversion	0.53	0.070
Suwannee	Wetland	33.1	W-ECT-074A	617	Perm Conversion	0.7	0.205
Suwannee	Wetland	33.1	W-ECT-074B	617	Perm Conversion	0.7	0.186
Jefferson	Wetland	107.6	W-ECT-N-222_3	617	Perm Conversion	0.57	0.215
Jefferson	Wetland	107.8	W-ECT-N-224_1	617	Perm Conversion	0.6	0.452
Jefferson	Wetland	108	W-ECT-N-225_3	617	Perm Conversion	0.6	0.449
Jefferson	Wetland	108.3	W-ECT-N-227_1	617	Perm Conversion	0.6	0.109
Jefferson	Wetland	109	W-ECT-N-231	617	Perm Conversion	0.53	0.432
Jefferson	Wetland	109.4	W-ECT-N-233	617	Perm Conversion	0.6	0.122
Jefferson	Wetland	109.8	W-ECT-N-235_3	617	Perm Conversion	0.67	0.434
Jefferson	Wetland	110.2	W-ECT-N-236_2	617	Perm Conversion	0.57	0.279
Jefferson	Wetland	110.3	W-ECT-N-237_2	617	Perm Conversion	0.73	1.169
Leon	Wetland	111	W-ECT-N-238_2	617	Perm Conversion	0.73	1.828
Leon	Wetland	115.3	W-ECT-N-255	617	Perm Conversion	0.67	0.508
Madison	Wetland	70.9	W-EE-121	617	Perm Conversion	0.67	2.204
Madison	Wetland	71.8	W-EE-122A	617	Perm Conversion	0.73	0.022
Madison	Wetland	71.9	W-EE-122B	617	Perm Conversion	0.73	0.380
Madison	Wetland	71.8	W-EE-122C	617	Perm Conversion	0.73	2.178
Madison	Wetland	78.3	W-EE-128A	617	Perm Conversion	0.4	7.714
Madison	Wetland	79.7	W-EE-130	617	Perm Conversion	0.53	0.918
Madison	Wetland	79.9	W-EE-131	617	Perm Conversion	0.53	4.656
Madison	Wetland	81	W-EE-133	617	Perm Conversion	0.53	3.135
Madison	Wetland	81.7	W-EE-134C	617	Perm Conversion	0.57	0.069
Jefferson	Wetland	85.4	W-EE-149	617	Perm Conversion	0.33	0.238
Jefferson	Wetland	87.1	W-EE-153	617	Perm Conversion	0.67	0.413
Jefferson	Wetland	87.2	W-EE-154	617	Perm Conversion	0.63	0.306
Jefferson	Wetland	88.1	W-EE-162	617	Perm Conversion	0.67	0.599
Jefferson	Wetland	88.3	W-EE-163	617	Perm Conversion	0.63	0.003
Jefferson	Wetland	89.9	W-EE-166	617	Perm Conversion	0.73	0.889
Jefferson	Wetland	90.2	W-EE-169	617	Perm Conversion	0.63	1.208
Jefferson	Wetland	90.5	W-EE-170	617	Perm Conversion	0.63	0.374
Jefferson	Wetland	90.5	W-EE-171	617	Perm Conversion	0.63	0.223
Jefferson	Wetland	91.7	W-EE-179	617	Perm Conversion	0.57	0.573
Jefferson	Wetland	93.8	W-EE-191A	617	Perm Conversion	0.67	0.038
Jefferson	Wetland	94.1	W-EE-191B	617	Perm Conversion	0.67	0.000
Jefferson	Wetland	93.9	W-EE-191C	617	Perm Conversion	0.67	0.007
Jefferson	Wetland	94.8	W-EE-198	617	Perm Conversion	0.47	1.404
Jefferson	Wetland	97.8	W-EE-203	617	Perm Conversion	0.7	0.456
Jefferson	Wetland	0	W-EE-AA-017	617	Temp Construction	0.67	0.186
Jefferson	Wetland	0	W-EE-AA-020A	617	Temp Construction	0.67	0.155

Jefferson	Wetland	0	W-EE-AA-020B	617	Temp Construction	0.67	0.043
Jefferson	Wetland	88.1	W-EE-162	617	Temp Construction	0.67	0.019
Jefferson	Wetland	90.2	W-EE-AA-027	617	Temp Construction	0.63	0.107
Columbia	Wetland	18.8	W-ECT-045A	617	Perm Fill	0.6	0.001
Jefferson	Wetland	88.1	W-EE-162	617	Perm Fill	0.67	0.001
Jefferson	Wetland	89.9	W-EE-166	617	Perm Fill	0.73	0.001
Jefferson	Wetland	91.7	W-EE-179	617	Perm Fill	0.57	0.001
Jefferson	Wetland	94.8	W-EE-198	617	Perm Fill	0.47	0.001
Jefferson	Wetland	97.8	W-EE-203	617	Perm Fill	0.7	0.001
Madison	Wetland	71.8	W-EE-122C	617	Temp Construction	0.73	0.073
Madison	Wetland	71.9	W-EE-122B	617	Temp Construction	0.73	0.041
Jefferson	Wetland	107.8	W-ECT-N-224_1	617	Perm Fill	0.6	0.001
Jefferson	Wetland	108	W-ECT-N-225_3	617	Perm Fill	0.6	0.001
Jefferson	Wetland	110.3	W-ECT-N-237_2	617	Perm Fill	0.73	0.002
Leon	Wetland	111	W-ECT-N-238_2	617	Perm Fill	0.73	0.003
Madison	Wetland	78.3	W-EE-128A	617	Temp Construction	0.4	0.471
Leon	Wetland	115.3	W-ECT-N-255	617	Perm Fill	0.67	0.001
Madison	Wetland	81	W-EE-133	617	Temp Construction	0.53	0.126
Madison	Wetland	70.9	W-EE-121	617	Perm Fill	0.67	0.002
Madison	Wetland	71.8	W-EE-122C	617	Perm Fill	0.73	0.002
Madison	Wetland	71.9	W-EE-122B	617	Perm Fill	0.73	0.001
Madison	Wetland	78.3	W-EE-128A	617	Perm Fill	0.4	0.010
Madison	Wetland	79.7	W-EE-130	617	Perm Fill	0.53	0.001
Madison	Wetland	79.9	W-EE-131	617	Perm Fill	0.53	0.006
Madison	Wetland	81	W-EE-133	617	Perm Fill	0.53	0.003
Suwannee	Wetland	29.3	W-ECT-067B	617	Perm Fill	0.67	0.003
Suwannee	Wetland	29.7	W-ECT-068	617	Perm Fill	0.5	0.002
Suwannee	Wetland	30.5	W-ECT-069	617	Perm Fill	0.47	0.002
Suwannee	Wetland	31.8	W-ECT-071	617	Perm Fill	0.6	0.006
							43.918

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 617 - Mixed Wetland Hardwoods See Attached List for Wetland ID's
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact - Temporary Construction (Clearing)	Golder, ECT and E&E	

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 Range 3-8; Average 5.8 w/o pres or current av= 5.8 / with av=5.81	Location and landscape support variable is reduced slightly due to adjacent transmission line and surrounding agricultural, silvicultural, and industrial activities. Individual parameter scores: a) support to wildlife listed in Part 1 by outside habitat = 8; b) invasive exotic species = 8; c) wildlife access to and from outside = 7 (reduced due to roads, farmfields, and fences); d) functions that benefit fish and wildlife downstream-distance or barriers = 8; e) impacts to wildlife listed in Part I by outside land uses = 6; f) Hydrologically connected areas downstream of assessment area = 8; g) dependency on downstream areas on assessment area = 7.
.500(6)(b)Water Environment (n/a for uplands) Range 3 -8; Average 6.04 w/o pres or current av=6.04 / with 6.04	Water depth, flows, and quality are appropriate for this type of system. Water was observed flowing east towards the Escambia River. Individual parameter scores: a) water levels and flows = 9; b) water level indicators = 8; c) soil moisture = 8; d) soil erosion or deposition = 8; e) evidence of fire history = N/A; f) vegetation community zonation = 7 (some reduction due to limited recrutiment of canopy species); g) hydrologic stress on vegetation = 8; h) use by animal species with specific hydrologic requirements = 8; i) vegetative species tolerant of and associated with water quality degradation = 8; j) direct observation of water quality = 8; k) existing water quality data = N/A; l) water depth, wave energy, currents and light penetration = N/A
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 3 -8; Average 6.18 w/o pres or current av=6.18 / with av=3	The community structure is typically dominated by large canopy trees, a sparse to moderate coverage of shrubs and saplings, and sparse groundcover. Recruitment of canopy layer is marginal. Individual paramater scores: a) plant community species in the canopy, shrub, or ground stratum = 7; b) invasive exotics or other invasive plant species = 8 (only minor infestations); c) regeneration and recruitment = 7; d) age and size distribution = 7; e) density and quality of coarse woody debris, snag, den, and cavity = 7; f) plant condition = 8; g) land management practices = 6; h) topographic features = N/A; siltation or algal growth in submerged aquatic plant communities = N/A

Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitigation,	For impact assessment areas
current or w/o pres av=.601 / with av=.495	Preservation adjustment factor =	FL = delta x acres x time lag =
	Adjusted mitigation delta =	= 0.106 x 1.22 x 1.46 = **0.188**

Delta = [with-current]	If mitigation	For mitigation assessment areas
av= -0.106	Time lag (t-factor) =	RFG = delta/(t-factor x risk) =
	Risk factor =	

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Jefferson	Wetland	0	W-EE-AA-017	617	Temp Construction	0.67	0.186
Jefferson	Wetland	0	W-EE-AA-020A	617	Temp Construction	0.67	0.155
Jefferson	Wetland	0	W-EE-AA-020B	617	Temp Construction	0.67	0.043
Jefferson	Wetland	88.1	W-EE-162	617	Temp Construction	0.67	0.019
Jefferson	Wetland	90.2	W-EE-AA-027	617	Temp Construction	0.63	0.107
Madison	Wetland	71.8	W-EE-122C	617	Temp Construction	0.73	0.073
Madison	Wetland	71.9	W-EE-122B	617	Temp Construction	0.73	0.041
Madison	Wetland	78.3	W-EE-128A	617	Temp Construction	0.4	0.471
Madison	Wetland	81	W-EE-133	617	Temp Construction	0.53	0.126
							1.221

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 617 - Mixed Wetland Hardwoods See Attached List for Wetland ID's
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact - PPermanent Fill (poles)		

Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(6)(a) Location and Landscape Support Range 3-7; Average 5.86 w/o pres or current: av = 5.86 with: 0	This area is a small bowl that is holding some non-flowing surface water, I-10 and its 12-foot wildlife barrier fence are to the immideiate south. A road bisects this area, cutting it off from the wetlands and uplands to the north that are owned and managed by the SRWMD.
.500(6)(b)Water Environment (n/a for uplands) Range 3-8; Average 5.86 w/o pres or current: av = 5.86 with: 0	There is a small potential for habitat for various amphibians and insects.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 3-8; Average 6.31 w/o pres or current: av =6.3 with: 0	Water is non-flowing and the vegetation is not very diverse.

Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitigation,	For impact assessment areas
current or w/o pres: av = 0.60 with: 0	Preservation adjustment factor = Adjusted mitigation delta =	FL = delta x acres = 0.60 x 0.057 =

Delta = [with-current]	If mitigation	For mitigation assessment areas
- 0.60	Time lag (t-factor) = Risk factor =	RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Columbia	Wetland	18.8	W-ECT-045A	617	Perm Fill	0.6	0.001
Jefferson	Wetland	88.1	W-EE-162	617	Perm Fill	0.67	0.001
Jefferson	Wetland	89.9	W-EE-166	617	Perm Fill	0.73	0.001
Jefferson	Wetland	91.7	W-EE-179	617	Perm Fill	0.57	0.001
Jefferson	Wetland	94.8	W-EE-198	617	Perm Fill	0.47	0.001
Jefferson	Wetland	97.8	W-EE-203	617	Perm Fill	0.7	0.001
Jefferson	Wetland	107.8	W-ECT-N-224_1	617	Perm Fill	0.6	0.001
Jefferson	Wetland	108	W-ECT-N-225_3	617	Perm Fill	0.6	0.001
Jefferson	Wetland	110.3	W-ECT-N-237_2	617	Perm Fill	0.73	0.002
Leon	Wetland	111	W-ECT-N-238_2	617	Perm Fill	0.73	0.003
Leon	Wetland	115.3	W-ECT-N-255	617	Perm Fill	0.67	0.001
Madison	Wetland	70.9	W-EE-121	617	Perm Fill	0.67	0.002
Madison	Wetland	71.8	W-EE-122C	617	Perm Fill	0.73	0.002
Madison	Wetland	71.9	W-EE-122B	617	Perm Fill	0.73	0.001
Madison	Wetland	78.3	W-EE-128A	617	Perm Fill	0.4	0.010
Madison	Wetland	79.7	W-EE-130	617	Perm Fill	0.53	0.001
Madison	Wetland	79.9	W-EE-131	617	Perm Fill	0.53	0.006
Madison	Wetland	81	W-EE-133	617	Perm Fill	0.53	0.003
Suwannee	Wetland	29.3	W-ECT-067B	617	Perm Fill	0.67	0.003
Suwannee	Wetland	29.7	W-ECT-068	617	Perm Fill	0.5	0.002
Suwannee	Wetland	30.5	W-ECT-069	617	Perm Fill	0.47	0.002
Suwannee	Wetland	31.8	W-ECT-071	617	Perm Fill	0.6	0.006
							0.057

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name Gulf Power Company North Florida Resiliency Connection	Application Number	Assessment Area Name or Number FLUCFCSS 617 - MMixed Wetland Hardwoods See Attached List for Wetland ID's
Impact or Mitigation Impact - Permanent Convertion to Herbaceous	Assessment conducted by:	Assessment date:

Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(6)(a) Location and Landscape Support Range 3-7; Average 5.86 w/o pres or current: av = 5.86 with: 5.57	This area is a small bowl that is holding some non-flowing surface water, I-10 and its 12-foot wildlife barrier fence are to the immideiate south. A road bisects this area, cutting it off from the wetlands and uplands to the north that are owned and managed by the SRWMD.	
.500(6)(b)Water Environment (n/a for uplands) Range 3-8; Average 5.86 w/o pres or current: av = 5.86 with: 5.86	There is a small potential for habitat for various amphibians and insects.	
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 3-8; Average 6.31 w/o pres or current: av = 6.31 with: 3	Water is non-flowing and the vegetation is not very diverse.	

Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitigation,	For impact assessment areas
current or w/o pres: av = 0.60 with: 0.483	Preservation adjustment factor =	FL = delta x acres = 0.117 x 42.64 = 4.98
	Adjusted mitigation delta =	

Delta = [with-current]	If mitigation	For mitigation assessment areas
- 0.117	Time lag (t-factor) =	RFG = delta/(t-factor x risk) =
	Risk factor =	

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Columbia	Wetland	18.8	W-ECT-045A	617	Perm Conversion	0.6	0.662
Columbia	Wetland	18.9	W-ECT-045B	617	Perm Conversion	0.6	0.057
Columbia	Wetland	19.6	W-ECT-046	617	Perm Conversion	0.5	0.067
Suwannee	Wetland	29.2	W-ECT-067A	617	Perm Conversion	0.67	0.066
Suwannee	Wetland	29.3	W-ECT-067B	617	Perm Conversion	0.67	1.671
Suwannee	Wetland	29.7	W-ECT-068	617	Perm Conversion	0.5	1.418
Suwannee	Wetland	30.5	W-ECT-069	617	Perm Conversion	0.47	0.763
Suwannee	Wetland	31.8	W-ECT-071	617	Perm Conversion	0.6	3.471
Suwannee	Wetland	32.6	W-ECT-073_1	617	Perm Conversion	0.53	0.070
Suwannee	Wetland	33.1	W-ECT-074A	617	Perm Conversion	0.7	0.205
Suwannee	Wetland	33.1	W-ECT-074B	617	Perm Conversion	0.7	0.186
Jefferson	Wetland	107.6	W-ECT-N-222_3	617	Perm Conversion	0.57	0.215
Jefferson	Wetland	107.8	W-ECT-N-224_1	617	Perm Conversion	0.6	0.452
Jefferson	Wetland	108	W-ECT-N-225_3	617	Perm Conversion	0.6	0.449
Jefferson	Wetland	108.3	W-ECT-N-227_1	617	Perm Conversion	0.6	0.109
Jefferson	Wetland	109	W-ECT-N-231	617	Perm Conversion	0.53	0.432
Jefferson	Wetland	109.4	W-ECT-N-233	617	Perm Conversion	0.6	0.122
Jefferson	Wetland	109.8	W-ECT-N-235_3	617	Perm Conversion	0.67	0.434
Jefferson	Wetland	110.2	W-ECT-N-236_2	617	Perm Conversion	0.57	0.279
Jefferson	Wetland	110.3	W-ECT-N-237_2	617	Perm Conversion	0.73	1.169
Leon	Wetland	111	W-ECT-N-238_2	617	Perm Conversion	0.73	1.828
Leon	Wetland	115.3	W-ECT-N-255	617	Perm Conversion	0.67	0.508
Madison	Wetland	70.9	W-EE-121	617	Perm Conversion	0.67	2.204
Madison	Wetland	71.8	W-EE-122A	617	Perm Conversion	0.73	0.022
Madison	Wetland	71.9	W-EE-122B	617	Perm Conversion	0.73	0.380
Madison	Wetland	71.8	W-EE-122C	617	Perm Conversion	0.73	2.178
Madison	Wetland	78.3	W-EE-128A	617	Perm Conversion	0.4	7.714
Madison	Wetland	79.7	W-EE-130	617	Perm Conversion	0.53	0.918
Madison	Wetland	79.9	W-EE-131	617	Perm Conversion	0.53	4.656
Madison	Wetland	81	W-EE-133	617	Perm Conversion	0.53	3.135
Madison	Wetland	81.7	W-EE-134C	617	Perm Conversion	0.57	0.069
Jefferson	Wetland	85.4	W-EE-149	617	Perm Conversion	0.33	0.238
Jefferson	Wetland	87.1	W-EE-153	617	Perm Conversion	0.67	0.413
Jefferson	Wetland	87.2	W-EE-154	617	Perm Conversion	0.63	0.306
Jefferson	Wetland	88.1	W-EE-162	617	Perm Conversion	0.67	0.599
Jefferson	Wetland	88.3	W-EE-163	617	Perm Conversion	0.63	0.003
Jefferson	Wetland	89.9	W-EE-166	617	Perm Conversion	0.73	0.889
Jefferson	Wetland	90.2	W-EE-169	617	Perm Conversion	0.63	1.208
Jefferson	Wetland	90.5	W-EE-170	617	Perm Conversion	0.63	0.374
Jefferson	Wetland	90.5	W-EE-171	617	Perm Conversion	0.63	0.223
Jefferson	Wetland	91.7	W-EE-179	617	Perm Conversion	0.57	0.573
Jefferson	Wetland	93.8	W-EE-191A	617	Perm Conversion	0.67	0.038
Jefferson	Wetland	94.1	W-EE-191B	617	Perm Conversion	0.67	0.000
Jefferson	Wetland	93.9	W-EE-191C	617	Perm Conversion	0.67	0.007
Jefferson	Wetland	94.8	W-EE-198	617	Perm Conversion	0.47	1.404
Jefferson	Wetland	97.8	W-EE-203	617	Perm Conversion	0.7	0.456
							42.640

PART I – Qualitative Description
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 621 - Cypress See Attached List for Wetland ID's

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
621	Cypress	Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands

Surrounding habitats include SW Bascom Norris Drive and associated stormwater management facility, a golf course, and residential developments. AA is not hydrologically connected to adjacent stormwater pond.

Assessment area description

AA is cypress/freshwater marsh habitat. Cypress wetland appears to have been excavated as open water feature occurs offsite. AA receives direct runoff from SW Bascom Norris Drive.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
none	not unique

Functions	Mitigation for previous permit/other historic use
BIOLOGICAL: Amphibian breeding; wading bird feeding; sandhill crane feeding; and reptile (snake) feeding.. PHYSICAL/CHEMICAL: Water quality treatment; sediment/erosion control; recharge/discharge; detrital export; flood retention/detention.	

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected 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)
Salamanders, newts, toads, frogs, white ibis, wood stork, sandhill crane, wading birds, snipe, marsh rabbit, white tailed deer, and raccoon.	Florida sandhill crane (T, foraging, nesting, seasonal), wood stork (FE, foraging, seasonal), alligator (FT, foraging, breeding, long-term), tricolored heron (T, foraging, long-term), and little blue heron (T, foraging, long-term).

Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):

none

Additional relevant factors:

None

Assessment conducted by:	Assessment date(s):
E&E, ECT, Inc.	

Form 62-345.900(1), F.A.C. [effective date 02-04-2004]

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Columbia	Wetland	11.3	W-ECT-036	621	Perm Conversion	0.5	0.529
Columbia	Wetland	17.3	W-ECT-042	621	Perm Conversion	0.67	0.794
Leon	Wetland	114.8	W-ECT-N-250B_1	621	Perm Conversion	0.8	0.517
Leon	Wetland	115	W-ECT-N-253_2	621	Perm Conversion	0.67	1.091
Jefferson	Wetland	84.4	W-EE-142	621	Perm Conversion	0.8	0.484
Jefferson	Wetland	87.4	W-EE-155	621	Perm Conversion	0.63	0.295
Jefferson	Wetland	84.4	W-EE-142	621	Temp Construction	0.8	0.084
Columbia	Wetland	11.3	W-ECT-036	621	Perm Fill	0.5	0.001
Columbia	Wetland	17.3	W-ECT-042	621	Perm Fill	0.67	0.001
Jefferson	Wetland	84.4	W-EE-142	621	Perm Fill	0.8	0.001
Jefferson	Wetland	87.4	W-EE-155	621	Perm Fill	0.63	0.001
Leon	Wetland	114.8	W-ECT-N-250B_1	621	Perm Fill	0.8	0.001
Leon	Wetland	115	W-ECT-N-253_2	621	Perm Fill	0.67	0.001
							3.801

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 621 - Cypress W-EE-142
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact - Temporary Construction (Clearing)	E&E	

Scoring Guidance	**Optimal (10)**	**Moderate(7)**	**Minimal (4)**	**Not Present (0)**
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

	w/o pres or current	with	
.500(6)(a) Location and Landscape Support	7	7	Habitats outside of AA are a mixture of urban and rural residential and services but predominantly residential. Invasive and nuisance exotic species observed outside of AA (torpedo grass, old world climbing fern). Major city roadway is adjacent to wetland
.500(6)(b)Water Environment (n/a for uplands)	8	8	Water levels and flows appear lower than appropriate, considering seasonal variation and antecedent weather and other climatic effects. Soil moisture appears normal. Drainage patterns affected by roadway construction and impacts to other portions of the AA, outside of the project area. No evidence of use by wildlife with specific hydrologic requirements. Vegetation shows no signs of hydrologic stress.
.500(7)(c)Community Structure 1. Vegetation and/or 2. Benthic Community	9	3	All or nearly all plant cover is appropriate and desirable. Invasive exotic or other invasive plant species provide minimal vegetative cover. Land management activities not optimal for long term viability of plant community.

Score = sum of above scores/30 (if uplands, divide by 20)	
current or w/o pres	0.8
with	0.6

If preservation as mitigation,	
Preservation adjustment factor (0 - 1, 0.1 increments) =	
Adjusted mitigation delta =	0

For impact assessment areas
FL = delta x acres x time lag = 0.20 x .080 x 1.46 = 0.023

Delta = [with-current]
-0.20

If mitigation	
Time lag (t-factor) (see tables) =	1
Risk factor (1 - 3, 0.25 increments) =	1

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	-0.56667

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 621 - Cypress See Attached List for Wetland ID's
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact - Permanent Fill (Poles)	E&E, ECT Inc.	

Scoring Guidance	**Optimal (10)**	**Moderate(7)**	**Minimal (4)**	**Not Present (0)**
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(6)(a) Location and Landscape Support Range 4 -8; Average = 6.33 w/o pres or current: av=6.33 / with: 0	Habitats outside of AA are a mixture of urban and rural residential and services but predominantly residential. Invasive and nuisance exotic species observed outside of AA (torpedo grass, old world climbing fern). Major city roadway is adjacent to wetland
.500(6)(b)Water Environment (n/a for uplands) Range 5 - 8 Average =6.66 w/o pres or current: av = 6.66 / with: 0	Water levels and flows appear lower than appropriate, considering seasonal variation and antecedent weather and other climatic effects. Soil moisture appears normal. Drainage patterns affected by roadway construction and impacts to other portions of the AA, outside of the project area. No evidence of use by wildlife with specific hydrologic requirements. Vegetation shows no signs of hydrologic stress.
.500(7)(c)Community Structure 1. Vegetation and/or 2. Benthic Community Range 6-9; Average = 7.33 w/o pres or current: av=7.33 / with: 0	All or nearly all plant cover is appropriate and desirable. Invasive exotic or other invasive plant species provide minimal vegetative cover. Land management activities not optimal for long term viability of plant community.

Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitigation,	For impact assessment areas
current or w/o pres: 0.677 / with: 0	Preservation adjustment factor (0 - 1, 0.1 increments) = Adjusted mitigation delta = 0	FL = delta x acres = 0.677 x 0.006= 0.004

Delta = [with-current]	If mitigation	For mitigation assessment areas
-0.677	Time lag (t-factor) (see tables) = Risk factor (	RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Columbia	Wetland	11.3	W-ECT-036	621	Perm Fill	0.5	0.001
Columbia	Wetland	17.3	W-ECT-042	621	Perm Fill	0.67	0.001
Jefferson	Wetland	84.4	W-EE-142	621	Perm Fill	0.8	0.001
Jefferson	Wetland	87.4	W-EE-155	621	Perm Fill	0.63	0.001
Leon	Wetland	114.8	W-ECT-N-250B_1	621	Perm Fill	0.8	0.001
Leon	Wetland	115	W-ECT-N-253_2	621	Perm Fill	0.67	0.001
							0.006

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 621 - Cypress See Attached List for Wetland ID's
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact - Permanent Conversion to Herbaceous	E&E, ECT Inc.	

Scoring Guidance	**Optimal (10)**	**Moderate(7)**	**Minimal (4)**	**Not Present (0)**
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(6)(a) Location and Landscape Support Range 4 -8; Average = 6.33 w/o pres or current: av = 6.33 with: 6		Habitats outside of AA are a mixture of urban and rural residential and services but predominantly residential. Invasive and nuisance exotic species observed outside of AA (torpedo grass, old world climbing fern). Major city roadway is adjacent to wetland
.500(6)(b)Water Environment (n/a for uplands) Range 5-8; Average = 6.66 w/o pres or current: Av = 6.66 with: 6.66		Water levels and flows appear lower than appropriate, considering seasonal variation and antecedent weather and other climatic effects. Soil moisture appears normal. Drainage patterns affected by roadway construction and impacts to other portions of the AA, outside of the project area. No evidence of use by wildlife with specific hydrologic requirements. Vegetation shows no signs of hydrologic stress.
.500(7)(c)Community Structure 1. Vegetation and/or 2. Benthic Community Range 6 -9; Average = 7.33 w/o pres or current: Av = 7.33 with: 3		All or nearly all plant cover is appropriate and desirable. Invasive exotic or other invasive plant species provide minimal vegetative cover. Land management activities not optimal for long term viability of plant community.

Score = sum of above scores/30 (if uplands, divide by 20)	
current or w/o pres	with
0.677	0.522

If preservation as mitigation,	
Preservation adjustment factor (0 - 1, 0.1 increments) =	
Adjusted mitigation delta =	0

For impact assessment areas
FL = delta x acres = 0.155 x 3.71 = 0.576

Delta = [with-current]
-0.155

If mitigation	
Time lag (t-factor) (see tables) =	1
Risk factor (1 - 3, 0.25 increments) =	1

For mitigation assessment areas
RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP_	NEW_ID	FLUCCS	Perm_Temp	UMAM	CALC_acre
Columbia	Wetland	11.3	W-ECT-036	621	Perm Conversion	0.5	0.529
Columbia	Wetland	17.3	W-ECT-042	621	Perm Conversion	0.67	0.794
Leon	Wetland	114.8	W-ECT-N-250B_1	621	Perm Conversion	0.8	0.517
Leon	Wetland	115	W-ECT-N-253_2	621	Perm Conversion	0.67	1.091
Jefferson	Wetland	84.4	W-EE-142	621	Perm Conversion	0.8	0.484
Jefferson	Wetland	87.4	W-EE-155	621	Perm Conversion	0.63	0.295
							3.710

PART I – Qualitative Description
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		W-EE-AA-019

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
625	Hydric Pine Flatwoods	Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10 Alligator Creek-Aucilla River	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Adjacent to I-10, isolated hydrologically
Assessment area description The depressional wetland is within a planted pine forest.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10	Not unique

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, wildlife habitat	NA

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected 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)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.): None
Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman, T Guest	4/18/2019

Form 62-345.900(1), F.A.C. [effective date 02-04-2004]

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-AA-019
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact - Temporary Construction (Clearing)	A. Wickman, T. Guest	4/18/2019

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: 4	with: 4	The depressional wetland is within a planted pine forest.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 5	The wetland is a small depressional wetland. The hydrology has been impacted by pine plantation, but may reconnected within the greater wetland feature.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 4	with: 3	Dominated by pine with little understory due to maintenance.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.43	0.40

If preservation as mitigation,
Preservation adjustment factor =
Adjusted mitigation delta =

For impact assessment areas
FL = delta x acres x time lag= 0.03 X 0.075 x 1.46 = 0.003

Delta = [with-current]
-0.03

If mitigation
Time lag (t-factor) =
Risk factor =

For mitigation assessment areas
RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

PART I – Qualitative Description
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 630 - Mixed Forested Wetlands See Attached List of Wetland ID's

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
630	Mixed Forested Wetlands	Existing Condition/Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
Various		

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands

Assessment area is surrounded by forested uplands, and connects to other wetland systems.

Assessment area description

The canopy stratum in the outer edges and smaller isloated Mixed Forested wetlands (630) comprises red maple, bald-cypress, sweetbay, sweetgum, loblolly pine (recruited), water oak, and swamp chestnut oak, with occurrences of planted loblolly pine along the edges. The subcanopy stratum comprises red maple, loblolly pine, sweetbay, American hornbeam, and sweetgum. The shrub stratum comprises highbush blueberry, wax myrtle, giant cane, fetterbush, needlepalm, Florida anise, and bluestem palmetto. The groundcover comprises of a variety of species including Virginia chain fern, flatsedge, greenbrier, dogfennel, yelloweyed grass, cinnamon fern, blackberry, grape vine, and shield ferns (*Thelypteris* sp.), among others.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Intertate highway	Not rare in relation to regional landscape

Functions	Mitigation for previous permit/other historic use
Wildlife habitat, water treatment and storage	N/A

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Wading birds, herpetofauna	Possible occasional use by wading birds such as white ibis (SSC), wood stork (E), little blue heron (SSC), snowy egret (SSC), and tricolor heron (SSC).

Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Golder, ECT, E&E	

County	Type	MP_	Wetland ID	FLUCCS	Impact Type	UMAM	Impact Acreage
Columbia	Wetland	5.7	W-ECT-017	630	Perm Conversion	0.47	0.002
Columbia	Wetland	7.5	W-ECT-020	630	Perm Fill	0.47	0.002
Columbia	Wetland	7.5	W-ECT-020	630	Perm Conversion	0.47	0.431
Columbia	Wetland	8.3	W-ECT-022	630	Perm Fill	0.57	0.001
Columbia	Wetland	8.3	W-ECT-022	630	Perm Conversion	0.57	0.308
Columbia	Wetland	11.7	W-ECT-038	630	Perm Fill	0.57	0.001
Columbia	Wetland	11.7	W-ECT-038	630	Perm Conversion	0.57	0.697
Columbia	Wetland	13.8	W-ECT-041	630	Perm Conversion	0.5	0.080
Suwannee	Wetland	25.6	W-ECT-052A	630	Perm Fill	0.63	0.000
Suwannee	Wetland	25.6	W-ECT-052A	630	Perm Conversion	0.63	0.125
Suwannee	Wetland	25.6	W-ECT-052B	630	Perm Conversion	0.63	0.234
Suwannee	Wetland	26.7	W-ECT-057_2	630	Perm Conversion	0.57	0.010
Suwannee	Wetland	26.7	W-ECT-057_3	630	Perm Conversion	0.57	0.086
Suwannee	Wetland	27.1	W-ECT-060_1	630	Perm Conversion	0.63	0.069
Suwannee	Wetland	35.6	W-ECT-076	630	Perm Fill	0.43	0.001
Suwannee	Wetland	35.6	W-ECT-076	630	Perm Conversion	0.43	1.296
Suwannee	Wetland	40.9	W-ECT-079	630	Perm Conversion	0.33	0.163
Suwannee	Wetland	41.2	W-ECT-081	630	Perm Conversion	0.33	0.390
Suwannee	Wetland	50.4	W-ECT-088	630	Perm Fill	0.57	0.003
Suwannee	Wetland	50.4	W-ECT-088	630	Perm Conversion	0.57	1.545
Jefferson	Wetland	96.2	W-ECT-AA-025B	630	Perm Conversion	0.57	0.000
Jefferson	Wetland	106.1	W-ECT-N-216D_3	630	Perm Fill	0.8	0.001
Jefferson	Wetland	106.1	W-ECT-N-216D_3	630	Perm Conversion	0.8	0.466
Jefferson	Wetland	106.8	W-ECT-N-216G_2	630	Perm Fill	0.8	0.003
Jefferson	Wetland	106.8	W-ECT-N-216G_2	630	Perm Conversion	0.8	2.241
Leon	Wetland	111.6	W-ECT-N-241_4	630	Perm Fill	0.7	0.003
Leon	Wetland	111.6	W-ECT-N-241_4	630	Perm Conversion	0.7	2.631
Leon	Wetland	114.1	W-ECT-N-243A_2	630	Perm Fill	0.7	0.002
Leon	Wetland	114.1	W-ECT-N-243A_2	630	Perm Conversion	0.7	1.862
Leon	Wetland	113.8	W-ECT-N-243B	630	Perm Conversion	0.7	0.086
Leon	Wetland	113.4	W-ECT-N-243D	630	Perm Fill	0.7	0.001
Leon	Wetland	113.4	W-ECT-N-243D	630	Perm Conversion	0.7	1.366
Leon	Wetland	112.9	W-ECT-N-243E_2	630	Perm Conversion	0.7	1.454
Leon	Wetland	115.8	W-ECT-N-259_4	630	Perm Fill	0.7	0.003
Leon	Wetland	115.8	W-ECT-N-259_4	630	Perm Conversion	0.7	0.841
Leon	Wetland	116.2	W-ECT-N-261_3	630	Perm Fill	0.67	0.001
Leon	Wetland	116.2	W-ECT-N-261_3	630	Perm Conversion	0.67	0.317
Madison	Wetland	63.1	W-EE-102A	630	Perm Conversion	0.4	0.048
Madison	Wetland	63.1	W-EE-102C	630	Perm Conversion	0.4	0.049
Madison	Wetland	63.5	W-EE-103	630	Perm Conversion	0.47	0.143
Madison	Wetland	64.2	W-EE-105	630	Perm Fill	0.43	0.002
Madison	Wetland	64.2	W-EE-105	630	Perm Conversion	0.43	1.753
Madison	Wetland	64.6	W-EE-106	630	Perm Conversion	0.47	0.759
Madison	Wetland	68.2	W-EE-116B	631	Temp Construction	0.3	0.003
Madison	Wetland	64.9	W-EE-107B	630	Perm Conversion	0.47	0.293
Madison	Wetland	77.6	W-EE-126	630	Perm Fill	0.53	0.003
Madison	Wetland	77.6	W-EE-126	630	Temp Construction	0.53	0.151
Madison	Wetland	77.6	W-EE-126	630	Perm Conversion	0.53	2.252
Madison	Wetland	78	W-EE-127	630	Perm Conversion	0.3	0.097
Madison	Wetland	82	W-EE-136	630	Perm Conversion	0.57	0.488
Madison	Wetland	82.4	W-EE-137	630	Perm Conversion	0.57	0.644
Madison	Wetland	83.2	W-EE-140A	630	Perm Fill	0.6	0.007
Madison	Wetland	83.2	W-EE-140A	630	Temp Construction	0.6	0.578
Madison	Wetland	83.2	W-EE-140A	630	Perm Conversion	0.6	4.963

Jefferson	Wetland	83.9	W-EE-140B	630	Temp Construction	0.6	0.126
Jefferson	Wetland	83.9	W-EE-140B	630	Perm Fill	0.6	0.002
Jefferson	Wetland	83.9	W-EE-140B	630	Perm Conversion	0.6	1.433
Jefferson	Wetland	84.2	W-EE-142A	630	Perm Conversion	0.8	0.348
Jefferson	Wetland	87.5	W-EE-157	630	Temp Construction	0.53	0.029
Jefferson	Wetland	87.6	W-EE-159A	630	Temp Construction	0.53	0.040
Jefferson	Wetland	87.6	W-EE-159A	630	Perm Fill	0.53	0.002
Jefferson	Wetland	87.6	W-EE-159A	630	Perm Conversion	0.53	0.469
Jefferson	Wetland	87.9	W-EE-160	630	Perm Conversion	0.53	0.130
Jefferson	Wetland	91.4	W-EE-176	630	Perm Fill	0.53	0.001
Jefferson	Wetland	91.4	W-EE-176	630	Perm Conversion	0.53	0.960
Jefferson	Wetland	91.8	W-EE-180A	630	Perm Conversion	0.5	0.112
Jefferson	Wetland	91.8	W-EE-180B	630	Perm Conversion	0.5	0.078
Jefferson	Wetland	91.9	W-EE-182	630	Perm Conversion	0.5	0.165
Jefferson	Wetland	92	W-EE-184A	630	Perm Conversion	0.57	0.453
Jefferson	Wetland	92.1	W-EE-184B	630	Perm Fill	0.57	0.001
Jefferson	Wetland	92.1	W-EE-184B	630	Perm Conversion	0.57	0.423
Jefferson	Wetland	92.2	W-EE-187	630	Perm Fill	0.53	0.001
Jefferson	Wetland	92.2	W-EE-187	630	Perm Conversion	0.53	0.436
Jefferson	Wetland	94.5	W-EE-197	630	Perm Conversion	0.43	0.058
Jefferson	Wetland	95.1	W-EE-198A	630	Perm Conversion	0.3	0.017
Madison	Wetland	78.1	W-EE-AA-006	630	Temp Construction	0.4	0.012
Madison	Wetland	78.1	W-EE-AA-007	630	Temp Construction	0.4	0.004
Madison	Wetland	78.1	W-EE-AA-008	630	Temp Construction	0.4	0.033
Madison	Wetland	0	W-EE-AA-012	630	Temp Construction	0.53	0.393
Jefferson	Wetland	0	W-EE-AA-015A	630	Temp Construction	0.53	0.029
Jefferson	Wetland	0	W-EE-AA-015B	630	Temp Construction	0.53	0.011
Jefferson	Wetland	0	W-EE-AA-016	630	Temp Construction	0.4	0.046
Leon	Wetland	126.8	W-GOL-272B	630	Perm Conversion	0.77	0.055
Leon	Wetland	128.8	W-GOL-276D	630	Perm Conversion	0.73	0.000
Leon	Wetland	128.9	W-GOL-277A	630	Perm Conversion	0.77	0.062
Leon	Wetland	131.1	W-GOL-278B	630	Perm Conversion	0.73	0.056
Leon	Wetland	132.5	W-GOL-279A	630	Perm Conversion	0.73	0.779
Leon	Wetland	132.5	W-GOL-279A	630	Perm Fill	0.73	0.002
Leon	Wetland	133.2	W-GOL-280A	630	Perm Conversion	0.73	0.041
Leon	Wetland	134.2	W-GOL-280C	630	Perm Conversion	0.73	0.004
Leon	Wetland	135	W-GOL-285A_2	630	Perm Conversion	0.6	0.112
Leon	Wetland	135.2	W-GOL-287A_2	630	Perm Conversion	0.73	0.013
Leon	Wetland	135.4	W-GOL-288_1	630	Perm Conversion	0.73	0.292
Leon	Wetland	135.6	W-GOL-289_1	630	Perm Conversion	0.73	0.047
Leon	Wetland	135.7	W-GOL-290_1	630	Perm Conversion	0.73	0.153
Leon	Wetland	136.7	W-GOL-292	630	Perm Conversion	0.7	0.273
Leon	Wetland	137	W-GOL-293	630	Perm Conversion	0.6	0.165
Leon	Wetland	137	W-GOL-294	630	Perm Conversion	0.63	0.528
Leon	Wetland	137	W-GOL-294	630	Perm Fill	0.63	0.001
Leon	Wetland	137.3	W-GOL-295	630	Perm Conversion	0.6	0.285
Leon	Wetland	137.6	W-GOL-296A	630	Perm Conversion	0.57	0.062
Gadsden	Wetland	137.6	W-GOL-296B	630	Perm Conversion	0.57	0.021
Gadsden	Wetland	138	W-GOL-298	630	Perm Conversion	0.57	0.268
Gadsden	Wetland	138.4	W-GOL-300	630	Perm Conversion	0.57	1.517
Gadsden	Wetland	138.4	W-GOL-300	630	Perm Fill	0.57	0.002
Gadsden	Wetland	139.3	W-GOL-303	630	Perm Conversion	0.57	0.066
Gadsden	Wetland	139.6	W-GOL-304B	630	Perm Conversion	0.57	0.173
Gadsden	Wetland	139.6	W-GOL-304B	630	Perm Fill	0.57	0.001
Gadsden	Wetland	139.7	W-GOL-306	630	Perm Conversion	0.57	0.088

Gadsden	Wetland	139.9	W-GOL-307A	630	Perm Conversion	0.63	1.531
Gadsden	Wetland	139.9	W-GOL-307A	630	Perm Fill	0.63	0.001
Gadsden	Wetland	140.7	W-GOL-308A	630	Perm Conversion	0.57	0.071
Gadsden	Wetland	141.1	W-GOL-309B	630	Perm Conversion	0.57	0.436
Gadsden	Wetland	141.1	W-GOL-309B	630	Perm Fill	0.57	0.001
Gadsden	Wetland	141.3	W-GOL-309C	630	Perm Conversion	0.57	0.763
Gadsden	Wetland	141.3	W-GOL-309C	630	Perm Fill	0.57	0.001
Gadsden	Wetland	141.9	W-GOL-310A	630	Perm Conversion	0.67	0.505
Gadsden	Wetland	142.1	W-GOL-311	630	Perm Conversion	0.67	0.018
Gadsden	Wetland	142.5	W-GOL-312	630	Perm Conversion	0.67	0.713
Gadsden	Wetland	143.1	W-GOL-313A	630	Perm Conversion	0.7	0.491
Gadsden	Wetland	144	W-GOL-314	630	Perm Conversion	0.7	0.521
Gadsden	Wetland	144.1	W-GOL-315	630	Perm Conversion	0.7	0.198
Gadsden	Wetland	144.2	W-GOL-316	630	Perm Conversion	0.7	0.196
Gadsden	Wetland	144.5	W-GOL-317B	630	Perm Conversion	0.7	0.494
Gadsden	Wetland	144.8	W-GOL-318B	630	Perm Conversion	0.7	0.210
Gadsden	Wetland	145.14	W-GOL-319B	630	Perm Conversion	0.7	0.115
Gadsden	Wetland	145.2	W-GOL-320	630	Perm Conversion	0.7	0.023
Gadsden	Wetland	145.4	W-GOL-321A	630	Perm Conversion	0.8	2.948
Gadsden	Wetland	145.4	W-GOL-321A	630	Perm Fill	0.8	0.003
Gadsden	Wetland	145.9	W-GOL-322B	630	Perm Conversion	0.7	0.296
Gadsden	Wetland	146.2	W-GOL-323	630	Perm Conversion	0.7	0.099
Gadsden	Wetland	146.6	W-GOL-324	630	Perm Conversion	0.7	0.107
Gadsden	Wetland	146.8	W-GOL-325B	630	Perm Conversion	0.7	0.145
Gadsden	Wetland	147.8	W-GOL-328B	630	Perm Conversion	0.7	1.596
Gadsden	Wetland	147.8	W-GOL-328B	630	Perm Fill	0.7	0.001
Gadsden	Wetland	150.6	W-GOL-332	630	Perm Conversion	0.7	0.433
Gadsden	Wetland	150.6	W-GOL-332	630	Perm Fill	0.7	0.001
Gadsden	Wetland	150.7	W-GOL-333	630	Perm Conversion	0.7	0.072
Gadsden	Wetland	150.8	W-GOL-334	630	Perm Conversion	0.7	2.074
Gadsden	Wetland	150.8	W-GOL-334	630	Perm Fill	0.7	0.002
Gadsden	Wetland	151.4	W-GOL-335	630	Perm Conversion	0.67	0.799
Gadsden	Wetland	151.4	W-GOL-335	630	Perm Fill	0.67	0.001
Gadsden	Wetland	152.2	W-GOL-336A	630	Perm Conversion	0.67	1.858
Gadsden	Wetland	152.2	W-GOL-336A	630	Perm Fill	0.67	0.002
Gadsden	Wetland	152.9	W-GOL-337B	630	Perm Conversion	0.6	1.763
Gadsden	Wetland	152.9	W-GOL-337B	630	Perm Fill	0.6	0.002
Gadsden	Wetland	154	W-GOL-338B	630	Perm Conversion	0.6	0.666
Gadsden	Wetland	154.5	W-GOL-339	630	Perm Conversion	0.6	0.626
Gadsden	Wetland	156.2	W-GOL-340A	630	Perm Conversion	0.6	1.669
Gadsden	Wetland	156.2	W-GOL-340A	630	Perm Fill	0.6	0.002
Gadsden	Wetland	157.2	W-GOL-342A	630	Perm Conversion	0.63	1.059
Gadsden	Wetland	157.6	W-GOL-343	630	Perm Conversion	0.6	0.437
Gadsden	Wetland	157.9	W-GOL-344	630	Perm Conversion	0.6	2.130
Gadsden	Wetland	157.9	W-GOL-344	630	Perm Fill	0.6	0.003
Gadsden	Wetland	158.3	W-GOL-346A	630	Perm Conversion	0.6	3.716
Gadsden	Wetland	158.3	W-GOL-346A	630	Perm Fill	0.6	0.006
Gadsden	Wetland	158.8	W-GOL-346B	630	Perm Conversion	0.6	0.005
Gadsden	Wetland	159	W-GOL-347A	630	Perm Conversion	0.6	2.120
Gadsden	Wetland	159	W-GOL-347A	630	Perm Fill	0.6	0.002
Gadsden	Wetland	158.9	W-GOL-347C	630	Perm Conversion	0.6	0.106
Gadsden	Wetland	158.8	W-GOL-348	630	Perm Conversion	0.57	0.360
Gadsden	Wetland	158.9	W-GOL-349	630	Perm Conversion	0.57	0.052
Gadsden	Wetland	160.5	W-GOL-352B	630	Perm Conversion	0.63	0.157
Gadsden	Wetland	160.8	W-GOL-354	630	Perm Conversion	0.63	0.048

Gadsden	Wetland	161.6	W-GOL-357	630	Perm Conversion	0.63	0.508
Gadsden	Wetland	161.9	W-GOL-358A	630	Perm Conversion	0.63	0.039
Gadsden	Wetland	161.9	W-GOL-358B	630	Perm Conversion	0.63	0.001
Gadsden	Wetland	162.2	W-GOL-361B	630	Perm Conversion	0.63	0.043
Gadsden	Wetland	162.2	W-GOL-361C	630	Perm Conversion	0.63	0.035
Gadsden	Wetland	163	W-GOL-362A	630	Perm Conversion	0.63	0.470
Gadsden	Wetland	163	W-GOL-362B	630	Perm Conversion	0.63	0.034
Gadsden	Wetland	163.4	W-GOL-364A	630	Perm Conversion	0.63	0.013
Gadsden	Wetland	163.4	W-GOL-364B	630	Perm Conversion	0.63	0.164
Gadsden	Wetland	163.4	W-GOL-364C	630	Perm Conversion	0.63	0.023
Gadsden	Wetland	163.8	W-GOL-366A	630	Perm Conversion	0.63	0.096
Gadsden	Wetland	163.8	W-GOL-366B	630	Perm Conversion	0.63	0.042
Gadsden	Wetland	164	W-GOL-368A	630	Perm Conversion	0.63	0.033
Gadsden	Wetland	164	W-GOL-368B	630	Perm Conversion	0.63	0.538
Gadsden	Wetland	164.3	W-GOL-369A	630	Perm Conversion	0.63	0.009
Gadsden	Wetland	164.3	W-GOL-369B	630	Perm Conversion	0.63	0.030
Gadsden	Wetland	164.7	W-GOL-373A	630	Perm Conversion	0.63	1.390
Gadsden	Wetland	164.7	W-GOL-373A	630	Perm Fill	0.63	0.001
Gadsden	Wetland	165.4	W-GOL-373B	630	Perm Conversion	0.6	0.047
Gadsden	Wetland	165.9	W-GOL-373C	630	Perm Conversion	0.63	0.581
Gadsden	Wetland	165.9	W-GOL-373C	630	Perm Fill	0.63	0.001
Gadsden	Wetland	166.2	W-GOL-373D	630	Perm Conversion	0.63	0.072
Gadsden	Wetland	166.4	W-GOL-373E	630	Perm Conversion	0.63	0.226
Gadsden	Wetland	167	W-GOL-374A	630	Perm Conversion	0.63	0.272
Gadsden	Wetland	167.6	W-GOL-374B	630	Perm Conversion	0.63	0.053
Gadsden	Wetland	167.8	W-GOL-374C	630	Perm Conversion	0.63	0.025
Gadsden	Wetland	168.3	W-GOL-374D	630	Perm Conversion	0.63	0.157
Gadsden	Wetland	168.5	W-GOL-374E	630	Perm Conversion	0.63	0.019
Gadsden	Wetland	168.6	W-GOL-375	630	Perm Conversion	0.63	0.233
Gadsden	Wetland	168.7	W-GOL-376	630	Perm Conversion	0.63	0.049
Gadsden	Wetland	168.8	W-GOL-376A	630	Perm Conversion	0.63	0.052
Gadsden	Wetland	169	W-GOL-377A	630	Perm Conversion	0.63	3.983
Gadsden	Wetland	169	W-GOL-377A	630	Perm Fill	0.63	0.005
Gadsden	Wetland	170.1	W-GOL-380A	630	Perm Conversion	0.63	4.860
Gadsden	Wetland	170.1	W-GOL-380A	630	Perm Fill	0.63	0.008
Jackson	Wetland	170.8	W-GOL-380B	630	Perm Conversion	0.63	3.237
Jackson	Wetland	170.8	W-GOL-380B	630	Perm Fill	0.63	0.006
Jackson	Wetland	171.4	W-GOL-382	630	Perm Conversion	0.63	2.447
Madison	Wetland	81.6	W-EE-134A	631	Perm Conversion	0.57	0.648
Jackson	Wetland	171.4	W-GOL-382	630	Perm Fill	0.63	0.003
Jefferson	Wetland	91.3	W-EE-175B	631	Perm Conversion	0.73	0.106
Jackson	Wetland	172.1	W-GOL-383	630	Perm Conversion	0.63	0.084
Jefferson	Wetland	91.6	W-EE-177A	631	Perm Conversion	0.47	0.094
Jackson	Wetland	172.1	W-GOL-384A	630	Perm Conversion	0.63	0.242
Jefferson	Wetland	91.6	W-EE-177B	631	Perm Conversion	0.47	0.063
Jefferson	Wetland	94.3	W-EE-195A	631	Perm Conversion	0.43	0.131
Jefferson	Wetland	94.3	W-EE-195B	631	Perm Conversion	0.43	0.519
Gadsden	Wetland	0	W-GOL-AA-356	630	Temp Construction	0.63	0.115
							93.303

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		FLUCFCS 630 - Mixed Forested Wetlands See Attached List of Wetland ID's
Impact or Mitigation Impact (Temporary Clearing)	Assessment conducted by: Golder, ECT and E&E	Assessment date:

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 Range 3 -8; Average 5.7 w/o pres or current av = 5.7 / with 5	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 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 = 9 (negligible coverage); c) Wildlife access to and from outside = 6 (reduced to proximity of roads); d) functions that benefit fish & wildlife downstream-distance or barriers = 6 (downstream flow somewhat limited by roads and ditching; e) Impacts to wildlife listed in Part 1 by outside land uses = 6 (adjacent to highway); f) Hydrologically connected areas downstream of assessment area = 7 (normal connectivity); g) Dependency of downstream areas on assessment area = 7 (downstream areas somewhat dependent).
.500(6)(b)Water Environment (n/a for uplands) Range 3 -8; Average 6.1 w/o pres or current av = 6.1 / with 7	Clearing the canopy will temporarily impact the water environment variable, converting forested system to a freshwater marsh, although silt fencing will reduce temporary turbidity impacts. Individual parameter scores: 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 on vegetation = 7; h) use by animal species with specific hydrological requirements = 7; i) vegetative species tolerant of and associated with water quality degradation = 7; j) direct observation of water quality = 6, receives road runoff. K) existing water quality data = N/A; l) water depth wave, wave energy, currents and light penetration = N/A.
.500(6)(c)Community structure Range 3 -8; Average 5.4 1. Vegetation and/or 2. Benthic Community w/o pres or current av= 5.4 / with 3	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) land management 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)	If preservation as mitigation,	For impact assessment areas
current Range 3 -8; Average 5.4 or w/o pres av = .58 / with 0.5	Preservation adjustment factor = Adjusted mitigation delta =	FL = delta x acres = FL=delta x acres x time lag= 0.084 x 1.568 x 1.46 = 0.192

Delta = [with-current]	If mitigation	For mitigation assessment areas
average =-0.084	Time lag (t-factor) = Risk factor =	RFG = delta/(t-factor x risk) =

Wetland Type - 630
Temporary Construction Impact (Clearing)

County	Type	MP_	Wetland ID	FLUCCS	Impact Type	UMAM	Impact Acreage
Madison	Wetland	68.2	W-EE-116B	631	Temp Construction	0.3	0.003
Madison	Wetland	77.6	W-EE-126	630	Temp Construction	0.53	0.151
Madison	Wetland	83.2	W-EE-140A	630	Temp Construction	0.6	0.578
Jefferson	Wetland	83.9	W-EE-140B	630	Temp Construction	0.6	0.126
Jefferson	Wetland	87.5	W-EE-157	630	Temp Construction	0.53	0.029
Jefferson	Wetland	87.6	W-EE-159A	630	Temp Construction	0.53	0.040
Madison	Wetland	78.1	W-EE-AA-006	630	Temp Construction	0.4	0.012
Madison	Wetland	78.1	W-EE-AA-007	630	Temp Construction	0.4	0.004
Madison	Wetland	78.1	W-EE-AA-008	630	Temp Construction	0.4	0.033
Madison	Wetland	0	W-EE-AA-012	630	Temp Construction	0.53	0.393
Jefferson	Wetland	0	W-EE-AA-015A	630	Temp Construction	0.53	0.029
Jefferson	Wetland	0	W-EE-AA-015B	630	Temp Construction	0.53	0.011
Jefferson	Wetland	0	W-EE-AA-016	630	Temp Construction	0.4	0.046
Gadsden	Wetland	0	W-GOL-AA-356	630	Temp Construction	0.63	0.112
							1.568

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		Forested Wetlands See Attached List D
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact - Conversion to Herbaceous	Golder, ECT and E&E	

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 Range 3 -8; Average 5.97 w/o pres or current av= 5.97 with av=4.81	Location and landscape support variable is reduced slightly due to adjacent transmission line and surrounding agricultural, silvicultural, and industrial activities. Individual parameter scores: a) support to wildlife listed in Part 1 by outside habitat = 8; b) invasive exotic species = 8; c) wildlife access to and from outside = 7 (reduced due to roads, farmfields, and fences); d) functions that benefit fish and wildlife downstream-distance or barriers = 8; e) impacts to wildlife listed in Part I by outside land uses = 6; f) Hydrologically connected areas downstream of assessment area = 8; g) dependency on downstream areas on assessment area = 7.
.500(6)(b)Water Environment (n/a for uplands) Range 3 -8; Average 6.46 w/o pres or current av=6.46 with 6.46	Water depth, flows, and quality are appropriate for this type of system. Water was observed flowing east towards the Escambia River. Individual parameter scores: a) water levels and flows = 9; b) water level indicators = 8; c) soil moisture = 8; d) soil erosion or deposition = 8; e) evidence of fire history = N/A; f) vegetation community zonation = 7 (some reduction due to limited recrutiment of canopy species); g) hydrologic stress on vegetation = 8; h) use by animal species with specific hydrologic requirements = 8; i) vegetative species tolerant of and associated with water quality degradation = 8; j) direct observation of water quality = 8; k) existing water quality data = N/A; l) water depth, wave energy, currents and light penetration = N/A
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 3 -8; Average 5.87 w/o pres or current av=5.87 with av=2.98	The community structure is typically dominated by large canopy trees, a sparse to moderate coverage of shrubs and saplings, and sparse groundcover. Recruitment of canopy layer is marginal. Individual paramater scores: a) plant community species in the canopy, shrub, or ground stratum = 7; b) invasive exotics or other invasive plant species = 8 (only minor infestations); c) regeneration and recruitment = 7; d) age and size distribution = 7; e) density and quality of coarse woody debris, snag, den, and cavity = 7; f) plant condition = 8; g) land management practices = 6; h) topographic features = N/A; siltation or algal growth in submerged aquatic plant communities = N/A

Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitigation,	For impact assessment areas
current or w/o pres av=.616 with av=.475	Preservation adjustment factor =	FL = delta x acres
	Adjusted mitigation delta =	= 0.14 x 91.628= **12.828**
Delta = [with-current]	**If mitigation**	**For mitigation assessment areas**
av= -0.14	Time lag (t-factor) =	RFG = delta/(t-factor x risk) =
	Risk factor =	

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP_	Wetland ID	FLUCCS	Impact Type	UMAM	Impact Acreage
Columbia	Wetland	5.7	W-ECT-017	630	Perm Conversion	0.47	0.002
Columbia	Wetland	7.5	W-ECT-020	630	Perm Conversion	0.47	0.431
Columbia	Wetland	8.3	W-ECT-022	630	Perm Conversion	0.57	0.308
Columbia	Wetland	11.7	W-ECT-038	630	Perm Conversion	0.57	0.697
Columbia	Wetland	13.8	W-ECT-041	630	Perm Conversion	0.5	0.080
Suwannee	Wetland	25.6	W-ECT-052A	630	Perm Conversion	0.63	0.125
Suwannee	Wetland	25.6	W-ECT-052B	630	Perm Conversion	0.63	0.234
Suwannee	Wetland	26.7	W-ECT-057_2	630	Perm Conversion	0.57	0.010
Suwannee	Wetland	26.7	W-ECT-057_3	630	Perm Conversion	0.57	0.086
Suwannee	Wetland	27.1	W-ECT-060_1	630	Perm Conversion	0.63	0.069
Suwannee	Wetland	35.6	W-ECT-076	630	Perm Conversion	0.43	1.296
Suwannee	Wetland	40.9	W-ECT-079	630	Perm Conversion	0.33	0.163
Suwannee	Wetland	41.2	W-ECT-081	630	Perm Conversion	0.33	0.390
Suwannee	Wetland	50.4	W-ECT-088	630	Perm Conversion	0.57	1.545
Jefferson	Wetland	96.2	W-ECT-AA-025B	630	Perm Conversion	0.57	0.000
Jefferson	Wetland	106.1	W-ECT-N-216D_3	630	Perm Conversion	0.8	0.466
Jefferson	Wetland	106.8	W-ECT-N-216G_2	630	Perm Conversion	0.8	2.241
Leon	Wetland	111.6	W-ECT-N-241_4	630	Perm Conversion	0.7	2.631
Leon	Wetland	114.1	W-ECT-N-243A_2	630	Perm Conversion	0.7	1.862
Leon	Wetland	113.8	W-ECT-N-243B	630	Perm Conversion	0.7	0.086
Leon	Wetland	113.4	W-ECT-N-243D	630	Perm Conversion	0.7	1.366
Leon	Wetland	112.9	W-ECT-N-243E_2	630	Perm Conversion	0.7	1.454
Leon	Wetland	115.8	W-ECT-N-259_4	630	Perm Conversion	0.7	0.841
Leon	Wetland	116.2	W-ECT-N-261_3	630	Perm Conversion	0.67	0.317
Madison	Wetland	63.1	W-EE-102A	630	Perm Conversion	0.4	0.048
Madison	Wetland	63.1	W-EE-102C	630	Perm Conversion	0.4	0.049
Madison	Wetland	63.5	W-EE-103	630	Perm Conversion	0.47	0.143
Madison	Wetland	64.2	W-EE-105	630	Perm Conversion	0.43	1.753
Madison	Wetland	64.6	W-EE-106	630	Perm Conversion	0.47	0.759
Madison	Wetland	64.9	W-EE-107B	630	Perm Conversion	0.47	0.293
Madison	Wetland	77.6	W-EE-126	630	Perm Conversion	0.53	2.252
Madison	Wetland	78	W-EE-127	630	Perm Conversion	0.3	0.097
Madison	Wetland	82	W-EE-136	630	Perm Conversion	0.57	0.488
Madison	Wetland	82.4	W-EE-137	630	Perm Conversion	0.57	0.644
Madison	Wetland	83.2	W-EE-140A	630	Perm Conversion	0.6	4.963
Jefferson	Wetland	83.9	W-EE-140B	630	Perm Conversion	0.6	1.433
Jefferson	Wetland	84.2	W-EE-142A	630	Perm Conversion	0.8	0.348
Jefferson	Wetland	87.6	W-EE-159A	630	Perm Conversion	0.53	0.469
Jefferson	Wetland	87.9	W-EE-160	630	Perm Conversion	0.53	0.130
Jefferson	Wetland	91.4	W-EE-176	630	Perm Conversion	0.53	0.960
Jefferson	Wetland	91.8	W-EE-180A	630	Perm Conversion	0.5	0.112
Jefferson	Wetland	91.8	W-EE-180B	630	Perm Conversion	0.5	0.078
Jefferson	Wetland	91.9	W-EE-182	630	Perm Conversion	0.5	0.165
Jefferson	Wetland	92	W-EE-184A	630	Perm Conversion	0.57	0.453
Jefferson	Wetland	92.1	W-EE-184B	630	Perm Conversion	0.57	0.423
Jefferson	Wetland	92.2	W-EE-187	630	Perm Conversion	0.53	0.436
Jefferson	Wetland	94.5	W-EE-197	630	Perm Conversion	0.43	0.058
Jefferson	Wetland	95.1	W-EE-198A	630	Perm Conversion	0.3	0.017
Leon	Wetland	126.8	W-GOL-272B	630	Perm Conversion	0.77	0.055
Leon	Wetland	128.8	W-GOL-276D	630	Perm Conversion	0.73	0.000
Leon	Wetland	128.9	W-GOL-277A	630	Perm Conversion	0.77	0.062
Leon	Wetland	131.1	W-GOL-278B	630	Perm Conversion	0.73	0.056
Leon	Wetland	132.5	W-GOL-279A	630	Perm Conversion	0.73	0.779
Leon	Wetland	133.2	W-GOL-280A	630	Perm Conversion	0.73	0.041

Leon	Wetland	134.2	W-GOL-280C	630	Perm Conversion	0.73	0.004
Leon	Wetland	135	W-GOL-285A_2	630	Perm Conversion	0.6	0.112
Leon	Wetland	135.2	W-GOL-287A_2	630	Perm Conversion	0.73	0.013
Leon	Wetland	135.4	W-GOL-288_1	630	Perm Conversion	0.73	0.292
Leon	Wetland	135.6	W-GOL-289_1	630	Perm Conversion	0.73	0.047
Leon	Wetland	135.7	W-GOL-290_1	630	Perm Conversion	0.73	0.153
Leon	Wetland	136.7	W-GOL-292	630	Perm Conversion	0.7	0.273
Leon	Wetland	137	W-GOL-293	630	Perm Conversion	0.6	0.165
Leon	Wetland	137	W-GOL-294	630	Perm Conversion	0.63	0.528
Leon	Wetland	137.3	W-GOL-295	630	Perm Conversion	0.6	0.285
Leon	Wetland	137.6	W-GOL-296A	630	Perm Conversion	0.57	0.062
Gadsden	Wetland	137.6	W-GOL-296B	630	Perm Conversion	0.57	0.021
Gadsden	Wetland	138	W-GOL-298	630	Perm Conversion	0.57	0.268
Gadsden	Wetland	138.4	W-GOL-300	630	Perm Conversion	0.57	1.517
Gadsden	Wetland	139.3	W-GOL-303	630	Perm Conversion	0.57	0.066
Gadsden	Wetland	139.6	W-GOL-304B	630	Perm Conversion	0.57	0.173
Gadsden	Wetland	139.7	W-GOL-306	630	Perm Conversion	0.57	0.088
Gadsden	Wetland	139.9	W-GOL-307A	630	Perm Conversion	0.63	1.531
Gadsden	Wetland	140.7	W-GOL-308A	630	Perm Conversion	0.57	0.071
Gadsden	Wetland	141.1	W-GOL-309B	630	Perm Conversion	0.57	0.436
Gadsden	Wetland	141.3	W-GOL-309C	630	Perm Conversion	0.57	0.763
Gadsden	Wetland	141.9	W-GOL-310A	630	Perm Conversion	0.67	0.505
Gadsden	Wetland	142.1	W-GOL-311	630	Perm Conversion	0.67	0.018
Gadsden	Wetland	142.5	W-GOL-312	630	Perm Conversion	0.67	0.713
Gadsden	Wetland	143.1	W-GOL-313A	630	Perm Conversion	0.7	0.491
Gadsden	Wetland	144	W-GOL-314	630	Perm Conversion	0.7	0.521
Gadsden	Wetland	144.1	W-GOL-315	630	Perm Conversion	0.7	0.198
Gadsden	Wetland	144.2	W-GOL-316	630	Perm Conversion	0.7	0.196
Gadsden	Wetland	144.5	W-GOL-317B	630	Perm Conversion	0.7	0.494
Gadsden	Wetland	144.8	W-GOL-318B	630	Perm Conversion	0.7	0.210
Gadsden	Wetland	145.14	W-GOL-319B	630	Perm Conversion	0.7	0.115
Gadsden	Wetland	145.2	W-GOL-320	630	Perm Conversion	0.7	0.023
Gadsden	Wetland	145.4	W-GOL-321A	630	Perm Conversion	0.8	2.948
Gadsden	Wetland	145.9	W-GOL-322B	630	Perm Conversion	0.7	0.296
Gadsden	Wetland	146.2	W-GOL-323	630	Perm Conversion	0.7	0.099
Gadsden	Wetland	146.6	W-GOL-324	630	Perm Conversion	0.7	0.107
Gadsden	Wetland	146.8	W-GOL-325B	630	Perm Conversion	0.7	0.145
Gadsden	Wetland	147.8	W-GOL-328B	630	Perm Conversion	0.7	1.596
Gadsden	Wetland	150.6	W-GOL-332	630	Perm Conversion	0.7	0.433
Gadsden	Wetland	150.7	W-GOL-333	630	Perm Conversion	0.7	0.072
Gadsden	Wetland	150.8	W-GOL-334	630	Perm Conversion	0.7	2.074
Gadsden	Wetland	151.4	W-GOL-335	630	Perm Conversion	0.67	0.799
Gadsden	Wetland	152.2	W-GOL-336A	630	Perm Conversion	0.67	1.858
Gadsden	Wetland	152.9	W-GOL-337B	630	Perm Conversion	0.6	1.763
Gadsden	Wetland	154	W-GOL-338B	630	Perm Conversion	0.6	0.666
Gadsden	Wetland	154.5	W-GOL-339	630	Perm Conversion	0.6	0.626
Gadsden	Wetland	156.2	W-GOL-340A	630	Perm Conversion	0.6	1.669
Gadsden	Wetland	157.2	W-GOL-342A	630	Perm Conversion	0.63	1.059
Gadsden	Wetland	157.6	W-GOL-343	630	Perm Conversion	0.6	0.437
Gadsden	Wetland	157.9	W-GOL-344	630	Perm Conversion	0.6	2.130
Gadsden	Wetland	158.3	W-GOL-346A	630	Perm Conversion	0.6	3.716
Gadsden	Wetland	158.8	W-GOL-346B	630	Perm Conversion	0.6	0.005
Gadsden	Wetland	159	W-GOL-347A	630	Perm Conversion	0.6	2.120
Gadsden	Wetland	158.9	W-GOL-347C	630	Perm Conversion	0.6	0.106
Gadsden	Wetland	158.8	W-GOL-348	630	Perm Conversion	0.57	0.360

Gadsden	Wetland	158.9	W-GOL-349	630	Perm Conversion	0.57	0.052
Gadsden	Wetland	160.5	W-GOL-352B	630	Perm Conversion	0.63	0.157
Gadsden	Wetland	160.8	W-GOL-354	630	Perm Conversion	0.63	0.048
Gadsden	Wetland	161.6	W-GOL-357	630	Perm Conversion	0.63	0.508
Gadsden	Wetland	161.9	W-GOL-358A	630	Perm Conversion	0.63	0.039
Gadsden	Wetland	161.9	W-GOL-358B	630	Perm Conversion	0.63	0.001
Gadsden	Wetland	162.2	W-GOL-361B	630	Perm Conversion	0.63	0.043
Gadsden	Wetland	162.2	W-GOL-361C	630	Perm Conversion	0.63	0.035
Gadsden	Wetland	163	W-GOL-362A	630	Perm Conversion	0.63	0.470
Gadsden	Wetland	163	W-GOL-362B	630	Perm Conversion	0.63	0.034
Gadsden	Wetland	163.4	W-GOL-364A	630	Perm Conversion	0.63	0.013
Gadsden	Wetland	163.4	W-GOL-364B	630	Perm Conversion	0.63	0.164
Gadsden	Wetland	163.4	W-GOL-364C	630	Perm Conversion	0.63	0.023
Gadsden	Wetland	163.8	W-GOL-366A	630	Perm Conversion	0.63	0.096
Gadsden	Wetland	163.8	W-GOL-366B	630	Perm Conversion	0.63	0.042
Gadsden	Wetland	164	W-GOL-368A	630	Perm Conversion	0.63	0.033
Gadsden	Wetland	164	W-GOL-368B	630	Perm Conversion	0.63	0.538
Gadsden	Wetland	164.3	W-GOL-369A	630	Perm Conversion	0.63	0.009
Gadsden	Wetland	164.3	W-GOL-369B	630	Perm Conversion	0.63	0.030
Gadsden	Wetland	164.7	W-GOL-373A	630	Perm Conversion	0.63	1.390
Gadsden	Wetland	165.4	W-GOL-373B	630	Perm Conversion	0.6	0.047
Gadsden	Wetland	165.9	W-GOL-373C	630	Perm Conversion	0.63	0.581
Gadsden	Wetland	166.2	W-GOL-373D	630	Perm Conversion	0.63	0.072
Gadsden	Wetland	166.4	W-GOL-373E	630	Perm Conversion	0.63	0.226
Gadsden	Wetland	167	W-GOL-374A	630	Perm Conversion	0.63	0.272
Gadsden	Wetland	167.6	W-GOL-374B	630	Perm Conversion	0.63	0.053
Gadsden	Wetland	167.8	W-GOL-374C	630	Perm Conversion	0.63	0.025
Gadsden	Wetland	168.3	W-GOL-374D	630	Perm Conversion	0.63	0.157
Gadsden	Wetland	168.5	W-GOL-374E	630	Perm Conversion	0.63	0.019
Gadsden	Wetland	168.6	W-GOL-375	630	Perm Conversion	0.63	0.233
Gadsden	Wetland	168.7	W-GOL-376	630	Perm Conversion	0.63	0.049
Gadsden	Wetland	168.8	W-GOL-376A	630	Perm Conversion	0.63	0.052
Gadsden	Wetland	169	W-GOL-377A	630	Perm Conversion	0.63	3.983
Gadsden	Wetland	170.1	W-GOL-380A	630	Perm Conversion	0.63	4.860
Jackson	Wetland	170.8	W-GOL-380B	630	Perm Conversion	0.63	3.237
Jackson	Wetland	171.4	W-GOL-382	630	Perm Conversion	0.63	2.447
Madison	Wetland	81.6	W-EE-134A	631	Perm Conversion	0.57	0.648
Jefferson	Wetland	91.3	W-EE-175B	631	Perm Conversion	0.73	0.106
Jackson	Wetland	172.1	W-GOL-383	630	Perm Conversion	0.63	0.084
Jefferson	Wetland	91.6	W-EE-177A	631	Perm Conversion	0.47	0.094
Jackson	Wetland	172.1	W-GOL-384A	630	Perm Conversion	0.63	0.242
Jefferson	Wetland	91.6	W-EE-177B	631	Perm Conversion	0.47	0.063
							90.975

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Gulf Power Company North Florida Resiliency Connection		Mixed Forested Wetland (FLUCFCS 630): - See Attached List for Wetland ID
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact - Fill	Golder, ECT and E&E	4/22/2019

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

		w/o pres or current	with
.500(6)(a) Location and Landscape Support Range 3 -8;	Location and landscape support variable is reduced slightly due to adjacent transmission line and surrounding agricultural, silvicultural, and industrial activities. Individual parameter scores: a) support to wildlife listed in Part 1 by outside habitat = 8; b) invasive exotic species = 8; c) wildlife access to and from outside = 7 (reduced due to roads, farmfields, and fences); d) functions that benefit fish and wildlife downstream-distance or barriers = 8; e) impacts to wildlife listed in Part I by outside land uses = 6; f) Hydrologically connected areas downstream of assessment area = 8; g) dependency on downstream areas on assessment area = 7.	6	0
.500(6)(b)Water Environment (n/a for uplands) Range 3 -8;	Water depth, flows, and quality are appropriate for this type of system. Water was observed flowing east towards the Escambia River. Individual parameter scores: a) water levels and flows = 9; b) water level indicators = 8; c) soil moisture = 8; d) soil erosion or deposition = 8; e) evidence of fire history = N/A; f) vegetation community zonation = 7 (some reduction due to limited recrutiment of canopy species); g) hydrologic stress on vegetation = 8; h) use by animal species with specific hydrologic requirements = 8; i) vegetative species tolerant of and associated with water quality degradation = 8; j) direct observation of water quality = 8; k) existing water quality data = N/A; l) water depth, wave energy, currents and light penetration = N/A	7	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community Range 3 -8;	The community structure is typically dominated by large canopy trees, a sparse to moderate coverage of shrubs and saplings, and sparse groundcover. Recruitment of canopy layer is marginal. Individual paramater scores: a) plant community species in the canopy, shrub, or ground stratum = 7; b) invasive exotics or other invasive plant species = 8 (only minor infestations); c) regeneration and recruitment = 7; d) age and size distribution = 7; e) density and quality of coarse woody debris, snag, den, and cavity = 7; f) plant condition = 8; g) land management practices = 6; h) topographic features = N/A; siltation or algal growth in submerged aquatic plant communities = N/A	6	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	Av= 0.62	0

Delta = [with-current]
-0.62

If preservation as mitigation,
Preservation adjustment factor =
Adjusted mitigation delta =

If mitigation
Time lag (t-factor) =
Risk factor =

For impact assessment areas
FL = delta x acres =0.62 x 0.107= **0.066**

For mitigation assessment areas
RFG = delta/(t-factor x risk) =

Form 62-345.900(2), F.A.C. [effective date 02-04-2004]

County	Type	MP_	Wetland ID	FLUCCS	Impact Type	UMAM	Impact Acreage
Columbia	Wetland	7.5	W-ECT-020	630	Perm Fill	0.47	0.002
Columbia	Wetland	8.3	W-ECT-022	630	Perm Fill	0.57	0.001
Columbia	Wetland	11.7	W-ECT-038	630	Perm Fill	0.57	0.001
Suwannee	Wetland	25.6	W-ECT-052A	630	Perm Fill	0.63	0.000
Suwannee	Wetland	35.6	W-ECT-076	630	Perm Fill	0.43	0.001
Suwannee	Wetland	50.4	W-ECT-088	630	Perm Fill	0.57	0.003
Jefferson	Wetland	106.1	W-ECT-N-216D_3	630	Perm Fill	0.8	0.001
Jefferson	Wetland	106.8	W-ECT-N-216G_2	630	Perm Fill	0.8	0.003
Leon	Wetland	111.6	W-ECT-N-241_4	630	Perm Fill	0.7	0.003
Leon	Wetland	114.1	W-ECT-N-243A_2	630	Perm Fill	0.7	0.002
Leon	Wetland	113.4	W-ECT-N-243D	630	Perm Fill	0.7	0.001
Leon	Wetland	115.8	W-ECT-N-259_4	630	Perm Fill	0.7	0.003
Leon	Wetland	116.2	W-ECT-N-261_3	630	Perm Fill	0.67	0.001
Madison	Wetland	64.2	W-EE-105	630	Perm Fill	0.43	0.002
Madison	Wetland	77.6	W-EE-126	630	Perm Fill	0.53	0.003
Madison	Wetland	83.2	W-EE-140A	630	Perm Fill	0.6	0.007
Jefferson	Wetland	83.9	W-EE-140B	630	Perm Fill	0.6	0.002
Jefferson	Wetland	87.6	W-EE-159A	630	Perm Fill	0.53	0.002
Jefferson	Wetland	91.4	W-EE-176	630	Perm Fill	0.53	0.001
Jefferson	Wetland	92.1	W-EE-184B	630	Perm Fill	0.57	0.001
Jefferson	Wetland	92.2	W-EE-187	630	Perm Fill	0.53	0.001
Leon	Wetland	132.5	W-GOL-279A	630	Perm Fill	0.73	0.002
Leon	Wetland	137	W-GOL-294	630	Perm Fill	0.63	0.001
Gadsden	Wetland	138.4	W-GOL-300	630	Perm Fill	0.57	0.002
Gadsden	Wetland	139.6	W-GOL-304B	630	Perm Fill	0.57	0.001
Gadsden	Wetland	139.9	W-GOL-307A	630	Perm Fill	0.63	0.001
Gadsden	Wetland	141.1	W-GOL-309B	630	Perm Fill	0.57	0.001
Gadsden	Wetland	141.3	W-GOL-309C	630	Perm Fill	0.57	0.001
Gadsden	Wetland	145.4	W-GOL-321A	630	Perm Fill	0.8	0.003
Gadsden	Wetland	147.8	W-GOL-328B	630	Perm Fill	0.7	0.001
Gadsden	Wetland	150.6	W-GOL-332	630	Perm Fill	0.7	0.001
Gadsden	Wetland	150.8	W-GOL-334	630	Perm Fill	0.7	0.002
Gadsden	Wetland	151.4	W-GOL-335	630	Perm Fill	0.67	0.001
Gadsden	Wetland	152.2	W-GOL-336A	630	Perm Fill	0.67	0.002
Gadsden	Wetland	152.9	W-GOL-337B	630	Perm Fill	0.6	0.002
Gadsden	Wetland	156.2	W-GOL-340A	630	Perm Fill	0.6	0.002
Gadsden	Wetland	157.9	W-GOL-344	630	Perm Fill	0.6	0.003
Gadsden	Wetland	158.3	W-GOL-346A	630	Perm Fill	0.6	0.006
Gadsden	Wetland	159	W-GOL-347A	630	Perm Fill	0.6	0.002
Gadsden	Wetland	164.7	W-GOL-373A	630	Perm Fill	0.63	0.001
Gadsden	Wetland	165.9	W-GOL-373C	630	Perm Fill	0.63	0.001
Gadsden	Wetland	169	W-GOL-377A	630	Perm Fill	0.63	0.005
Gadsden	Wetland	170.1	W-GOL-380A	630	Perm Fill	0.63	0.008
Jackson	Wetland	170.8	W-GOL-380B	630	Perm Fill	0.63	0.006
Jackson	Wetland	171.4	W-GOL-382	630	Perm Fill	0.63	0.003
							0.107