ATTACHMENT A

UMAM Worksheets - Madison County

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-090

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
640	Vegetated Non-forested Wetlands	Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
	Class 3	None

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

North and adjacent to I-10. West (~500) feet of Suwanee River. Upland is an undulating microtopography due to small sinkholes. Blocked by DOT fence.

Assessment area description

Small dip (low spot) in DOT ROW.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 DOT ROW. Suwanne River about 500' to east.	Not unique. Consistently disturbed by DOT mowing.

Functions	Mitigation for previous permit/other historic use
Surface runoff and stormwater storage (very smal as wetland is small).	None

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)
Raccoon, deer.	None

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):
Team 02	2/12/2019

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-090
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	2/12/2019

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 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	DOT ROW; ~100' from I-10. Interstate and ROW impacts wildlife, pollution and plant spp.	2	2
.500(6)(b)Water Environment (n/a for uplands)	I-10 runoff/pollution filtered by this wetland ROW. Holds small amount of water due to small size.	2	2
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Wetland spp. are consistently mowed due to DOT ROW maintenance.	2	2

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.2	0.2

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-091/092

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
640	Vegetated Non-forested Wetlands	Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
	Class 3	None

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

Upland is dirt road along fence line. Wetland receives runoff from upland. Suwanee River to the east.

Assessment area description

Upland (mesic hammock) drains into this low spot on dirt road that runs parellel/adjacent to DOT fence.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Suwanee River. -10 DOT ROW.	Not unique. Low spot within tow track road.

Functions	Mitigation for previous permit/other historic use
Vehicular and wildlife path. Runoff collection from I-10 and uplands north of fence.	None

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)
Raccoon, deer, snakes, birds.	None

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

Armadillo burroughs. Dead dear caught in DOT fence.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Erik Oien	2/12/2019

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-091/092
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	2/12/2019

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 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	w/o pres or current: 2	with: 2	Adjacent to DOT fence (I-10 ~100' to south). Receives pollution from interstate. Upland native spp mesic hammock/mixed forested, with some dissolved limestone pits (sumped upland). Wetland soil is compacted from vehicular use.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 3	with: 3	Runoff clean coming from north - high quality upland. However, some runoff from I-10 potential for pollutants.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 3	with: 3	Low diversity but adjacent to hardwood mixed upland.

Score = sum of above scores/30 (if uplands, divide by 20)		
current or w/o pres: 0.27	with: 0.27	

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-096A

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
640	Vegetated Non-forested Wetland	Impact	

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

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

Adjacent to I-10; Runoff from I-10 drains into wetland. A stream traverses through wetland, north, across Thompson Valley Rd, and into wetlands north of assessment area.

Assessment area description

Vegetation within the wetland is a mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Dale Leslie Dr, I-10 and FDOT fence	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)
Wading birds, reptiles, mammals	

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):
Nicole Jeter	2/7/2019

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-096A
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Nicole Jeter	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 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	w/o pres or current: 5	with: 5	A two-laned road traverses through the wetland and the wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 6	with: 6	The hydroperiod of this wetland is altered by culverts, adjacent road and interstate right of way slope.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 6	with: 6	Outer portions of wetland contain Lygodium japonicum and thick smilax.

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

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-100A/100B

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
643	Wet Prairies	Impact	

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

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

Adjacent to I-10; wetland drains into FDOT corridor. A large pond is located north of the wetland, outside of the assessment area.

Assessment area description

Vegetation within the wetland is a mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and Overpass and associated FDOT fence, large pond north	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)
Wading birds, reptiles, mammals	

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):
Nicole Jeter	2/7/2019

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-100A/100B
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Nicole Jeter	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 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	w/o pres or current: 4	with: 4
This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area includes upland pastures, parking lots, and a large pond north of the assessment area.		
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 4	with: 4
The hydroperiod of this wetland is altered by interstate right of way slope. There are also signs that water levels of pond are controled with various pipes/valves located around assessment area.		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 3	with: 3
Vegetation appears to be mowed on a regular interval.		

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

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-102A

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

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10: 0311020309 Jumping Gully Creek - Withlacoochee River		

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

Adjacent to I-10; runoff drains into wetland. No visible connection to other features.

Assessment area description

Vegetation within the wetland is predominantly forested with herbaceous area in a clean powerline right of way.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, associated FDOT fence, overpass over I-10, powerline right of way	Not unique

Functions	Mitigation for previous permit/other historic use
Water storage, 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)
Amphibians, reptiles, mammals	

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):
Nicole Jeter and Rebecca Dutton	2/11/2019

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-102A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Nicole Jeter and Rebecca Dutton	2/11/2019

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 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	4	4	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes upland mixed hardwood-coniferous forests, and a powerline right of way.
.500(6)(b)Water Environment (n/a for uplands)	4	4	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope, and the built up overpass for Jim Clark Road.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	4	3	Forested vegetation with herbaceous vegetation in powerline right of way.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.40	0.37

Delta = [with-current]=
0.37 - 00.37-0.40= 0.3.40 = 0.03

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 = 0.03 x 0.048=0.001

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
North Florida Resiliency Connection		W-EE-102B

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
640	Vegetated Non-forested Wetlands	Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10: 0311020309 Jumping Gully Creek - Withlacoochee River		

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

Adjacent to I-10; runoff drains into wetland. No visible connection to other features.

Assessment area description

Vegetation within the wetland is herbaceous in a maintained powerline right of way.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, associated FDOT fence, overpass over I-10, powerline right of way	Not unique

Functions	Mitigation for previous permit/other historic use
Water storage, 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)
Amphibians, reptiles, mammals	

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):
Nicole Jeter and Rebecca Dutton	2/11/2019

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-102B
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Nicole Jeter and Rebecca Dutton	2/11/2019

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 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	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes upland mixed hardwood-coniferous forests, and a powerline right of way.	4	4
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope, and the built up overpass for Jim Clark Road.	4	4
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Herbaceous vegetation with limited diversity in powerline right of way.	4	4

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

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-102C

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

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10: 0311020309 Jumping Gully Creek - Withlacoochee River		

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

Adjacent to I-10; runoff drains into wetland. No visible connection to other features.

Assessment area description

Vegetation within the wetland is predominantly forested with herbaceous area in a clean powerline right of way.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, associated FDOT fence, overpass over I-10, powerline right of way	Not unique

Functions	Mitigation for previous permit/other historic use
Water storage, 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)
Amphibians, reptiles, mammals	

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):
Nicole Jeter and Rebecca Dutton	2/11/2019

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-102C
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Nicole Jeter and Rebecca Dutton	2/11/2019

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 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	4	4	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes upland mixed hardwood-coniferous forests, and a powerline right of way.
.500(6)(b)Water Environment (n/a for uplands)	4	4	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope, and the built up overpass for Jim Clark Road.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	4	3	Forested vegetation with herbaceous vegetation in powerline right of way.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.40	0.37

Delta = [with-current]= 0.03
0.37 - 0.40 = 0.03

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 = 0.03 x 0.049=0.002

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
North Florida Resiliency Connection		W-EE-103

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

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10: 0311020309 Jumping Gully Creek - Withlacoochee River		

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

Adjacent to I-10; runoff drains into wetland. No visible connection to other features.

Assessment area description

Vegetation within the wetland is predominantly forested.

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

Functions	Mitigation for previous permit/other historic use
Water storage, 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)
Amphibians, reptiles, mammals, songbirds	

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):
Nicole Jeter and Rebecca Dutton	2/11/2019

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-103
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Nicole Jeter and Rebecca Dutton	2/11/2019

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 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	4	4	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes upland mixed hardwood-coniferous forests.
.500(6)(b)Water Environment (n/a for uplands)	5	5	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	5	3	Forested vegetation with limited diversity.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.47	0.40

Delta = [with-current]
0.4 - 0.47 = 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 0.143 = 0.010

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
North Florida Resiliency Connection		W-EE-104

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
640	Vegetated Non-forested Wetlands	Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10: 0311020309 Jumping Gully Creek - Withlacoochee River		

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

Adjacent to I-10; runoff drains into wetland.

Assessment area description

Vegetation within the wetland is predominantly herbaceous, with some scattered trees in deeper water areas and along the fenceline.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, associated FDOT fence, large cattle pasture.	Not unique

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, 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)
Wading birds, songbirds, amphibians, reptiles, mammals,	

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

Killdeer, vultures

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Nicole Jeter and Rebecca Dutton	2/12/2019

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-104
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Nicole Jeter and Rebecca Dutton	2/12/2019

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 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	w/o pres or current: 4 / with: 4	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes active cattle pasture that has been planted with grasses that have been grazed.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5 / with: 5	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 3 / with: 3	Primarily vegetated with herbaceous species and semi-aquatic species, some open water, and with some scattered trees. Upland species encroachment and limited diversity. Very limited amounts of Solanum viraum present in field.

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

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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 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-104
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Impact Location	Nicole Jeter and Rebecca Dutton	2/12/2019

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 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	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes active cattle pasture that has been planted with grasses that have been grazed.	4	0
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.	5	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Primarily vegetated with herbaceous species and semi-aquatic species, some open water, and with some scattered trees. Very limited amounts of Solanum viraum present in field.	3	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.40	0.00

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
NFRC Geo Tech Access		W-ECT-104A

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

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
Withlacoochee/03110203	3F	N/A

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

The predominantly Acer rubrum and Juncus effusus wetland is bound to the north by Johnny Pinkard Road and to the south by Interstate 10. Additionally, row crops and managed lands are to the east and west of the subject property. The wetland is isolated with no direct connection to any other wetlands or surface waters.

Assessment area description

The assessment area is characterized as a predominantly Acer rubrum and Juncus effusus wetland with disturbance from the construction of Interstate 10. The subcanopy and herb stratum comprises most of the vegetation in the wetland. Untreated stormwater from Interstate 10 flows into the wetland while flow is bound to the north and south from the two major roads. No evidence of a hydrologic connection through overland flow and seasonal flooding as present. Therefore, the stormwater remains in the wetlands.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Interstate 10 and Johnny Pinkard Road	Not unique

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;	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: opossum, raccoon, gray & flying squirrels, otter, gray fox, white-tailed deer, bobcat, black bear; BIRDS: downy, hairy & pileated woodpeckers, wood duck, turkey, chickadee, titmouse, Carolina wren, cardinal, ruby-throated hummingbird, yellow-throated & prothonotary warblers, hermit thrush, yellow-billed cuckoo, barred owl, limpkin, yellow-crowned night heron, wood stork, swallow-tailed and Mississippi kites, red-	Florida panther (FE, hunting, incidental), American alligator (SSC, habitat, long-term), limpkin (SSC, foraging, frequent), wood stork (FE, foraging, roosting, seasonal), tricolored heron (SSC, foraging, roosting, nesting, seasonal), snowy egret (SSC, roosting, nesting, seasonal), little blue heron (SSC, roosting, nesting, seasonal).

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

No evidence of wildlife utilization was observed.

Additional relevant factors:

None.

Assessment conducted by:	Assessment date(s):
Stephen Florey, Kaylee August (ECT)	23-Jan-20

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
NFRC Geo Tech Access		W-ECT-104A
Impact or Mitigation	Assessment conducted by: Stephen Florey, Kaylee August	Assessment date: 23-Jan-20

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	The assessment area contains a contiguous Liquidambar styraciflua and Acer rubrum wetland that is channeled to the south because of Interstate 10. No invasive flora was observed. The system provides reduced utilization/benefits for most wildlife. Wildlife is limited to the south by the highly trafficked roadway, but can utilize the surrounding managed lands. The surrounding roadway significantly channelizes discharge from the wetland.	4	4
.500(6)(b)Water Environment (n/a for uplands)	Hydrologic indicators were present (water marks and water-stained leaves). Natural flows were significantly altered due to the development of the major roadway. The major roadway channelizes flow paths, impeding the possibility of sheet flow across the landscape. However, flows are appropriate enough to support wetland vegetation. Indicators of water quality degradation include disturbance of soil and debris/trash in the wetland. Stormwater runoff from the major roadway could be a potential source of runoff inputs into the system. The proximity of the major roadway to the wetland could contribute to potential contamination in the wetland.	5	5
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	The area is dominated by the canopy and herb stratum. Size and distribution is less than normal, with general evidence of regeneration. Wetland vegetation is in generally good condition. However, land management practices (soil disturbance and trash in the wetland) are not optimal for long term viability of the plant community within the right of way. Evidence of past physical damage from the construction of the road (fill material) was present.	6	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.5	0.4

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

For impact assessment areas
FL = 0.1 x 0.004 = 0.0004

Delta = [with-current]
-0.1

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
NFRC Geo Tech Access		W-ECT-104B

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

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
Withlacoochee/03110203	3F	N/A

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

The predominantly Acer rubrum and Juncus effusus wetland is bound to the north by Johnny Pinkard Road and to the south by Interstate 10. Additionally, row crops and managed lands are to the east and west of the subject property. The wetland is isolated with no direct connection to any other wetlands or surface waters.

Assessment area description

The assessment area is characterized as a predominantly Acer rubrum and Juncus effusus wetland with disturbance from the construction of Interstate 10. The subcanopy and herb stratum comprises most of the vegetation in the wetland. Untreated stormwater from Interstate 10 flows into the wetland while flow is bound to the north and south from the two major roads. No evidence of a hydrologic connection through overland flow and seasonal flooding as present. Therefore, the stormwater remains in the wetlands.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Interstate 10 and Johnny Pinkard Road	Not unique

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;	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: opossum, raccoon, gray & flying squirrels, otter, gray fox, white-tailed deer, bobcat, black bear; BIRDS: downy, hairy & pileated woodpeckers, wood duck, turkey, chickadee, titmouse, Carolina wren, cardinal, ruby-throated hummingbird, yellow-throated & prothonotary warblers, hermit thrush, yellow-billed cuckoo, barred owl, limpkin, yellow-crowned night heron, wood stork, swallow-tailed and Mississippi kites, red-	Florida panther (FE, hunting, incidental), American alligator (SSC, habitat, long-term), limpkin (SSC, foraging, frequent), wood stork (FE, foraging, roosting, seasonal), tricolored heron (SSC, foraging, roosting, nesting, seasonal), snowy egret (SSC, roosting, nesting, seasonal), little blue heron (SSC, roosting, nesting, seasonal).

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

No evidence of wildlife utilization was observed.

Additional relevant factors:

None.

Assessment conducted by:	Assessment date(s):
Stephen Florey, Kaylee August (ECT)	23-Jan-20

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
NFRC Geo Tech Access		W-ECT-104B
Impact or Mitigation	Assessment conducted by: Stephen Florey, Kaylee August	Assessment date: 23-Jan-20

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	The assessment area contains an isolated Acer rubrum and Juncus effusus wetland that is bound to the north by Johnny Pinkard Road and to the south by Interstate 10. Invasive flora was observed (Triadica sebifera). The system provides reduced utilization/benefits for most wildlife. Wildlife is limited to the north and south by highly trafficked roadways, but can utilize the eastern and western forested and managed lands. The surrounding roadways significantly limit discharge from the wetland.	4	4
.500(6)(b)Water Environment (n/a for uplands)	Hydrologic indicators were present (water marks and water-stained leaves). Natural flows were significantly altered due to the development of the two major roadways. The major roadways altered flow paths, decreasing the possibility of sheet flow across the landscape. However, flows are appropriate enough to support wetland vegetation. Indicators of water quality degradation include disturbance of soil and debris/trash in the wetland. Stormwater runoff from the major roadways could be a potential source of runoff inputs into the system. The proximity of the major roadways to the wetlands could contribute to potential contamination in the wetland.	5	5
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	The area is dominated by the subcanopy and herb stratum. Size and distribution is less than normal, with general evidence of regeneration. Wetland vegetation is in generally good condition. However, land management practices (soil disturbance and trash in the wetland) are not optimal for long term viability of the plant community within the right of way. Evidence of past physical damage from the construction of the road (fill material) was present.	6	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.4	0.40

Delta = [with-current]
0.00

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

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

For impact assessment areas
FL = 0.1 x 0.014 = 0.001

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
North Florida Resiliency Connection		W-EE-105A

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)
HUC 10: 0311020309 Jumping Gully Creek - Withlacoochee River		

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

Adjacent to I-10; runoff drains into wetland.

Assessment area description

Vegetation within the wetland is predominantly herbaceous in an active pasture.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, associated FDOT fence, large cattle pasture.	Not unique

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, 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)
Wading birds, songbirds, amphibians, reptiles, mammals,	

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):
Nicole Jeter and Rebecca Dutton	2/12/2019

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-105A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Nicole Jeter and Rebecca Dutton	2/12/2019

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 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	4	4	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes active cattle pasture that has been planted with grasses that have been grazed, and mixed hardwood-conifer forest.
.500(6)(b)Water Environment (n/a for uplands)	5	5	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	6	3	Primarily vegetated with herbaceous species and semi-aquatic species, some open water. Limited diversity.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.5	0.4

Delta = [with-current]
0.4-0.5 = 0.1

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 = 0.1x0.0004 = 0.00004

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
North Florida Resiliency Connection		W-EE-105

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

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10: 0311020309 Jumping Gully Creek - Withlacoochee River		

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

Adjacent to I-10; runoff drains into wetland.

Assessment area description

Vegetation within the wetland is predominantly herbaceous in an active pasture.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, associated FDOT fence, large cattle pasture.	Not unique

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, 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)
Wading birds, songbirds, amphibians, reptiles, mammals,	

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):
Nicole Jeter and Rebecca Dutton	2/12/2019

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-105
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Nicole Jeter and Rebecca Dutton	2/12/2019

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 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	w/o pres or current: 4	with: 4	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes active cattle pasture that has been planted with grasses that have been grazed, and mixed hardwood-conifer forest.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 5	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 4	with: 3	Primarily vegetated with herbaceous species and semi-aquatic species, some open water. Limited diversity.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.43	0.4

Delta = [with-current]
0.4-0.43 = 0.03

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 = 0.03x1.755 = 0.053

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		W-EE-105
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Nicole Jeter and Rebecca Dutton	2/12/2019

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 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	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes active cattle pasture that has been planted with grasses that have been grazed, and mixed hardwood-conifer forest.	w/o pres or current: 4	with: 4
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.	w/o pres or current: 5	with: 5
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Primarily vegetated with herbaceous species and semi-aquatic species, some open water. Limited diversity.	w/o pres or current: 4	with: 4

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

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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 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-105
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Nicole Jeter and Rebecca Dutton	2/12/2019

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 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	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes active cattle pasture that has been planted with grasses that have been grazed, and mixed hardwood-conifer forest.	4	0
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.	5	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Primarily vegetated with herbaceous species and semi-aquatic species, some open water, and with forested area on the western edge.	4	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.43	0.00

Delta = [with-current]

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 =

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
North Florida Resiliency Connection		W-EE-106

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

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10: 0311020309 Jumping Gully Creek - Withlacoochee River		

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

Adjacent to I-10; runoff drains into wetland. Connect via overland sheet flow and swale to larger mapped NWI wetland to the North.

Assessment area description

Vegetation within the wetland is hardwood-conifer forest.

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

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, 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)
songbirds, amphibians, reptiles, mammals,	

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):
Nicole Jeter and Rebecca Dutton	2/12/2019

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-106
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Nicole Jeter and Rebecca Dutton	2/12/2019

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 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	4	4	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes yard and mixed hardwood-conifer forest.
.500(6)(b)Water Environment (n/a for uplands)	5	5	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	5	3	Primarily vegetated with hardwood-conifer forest and limited herbaceous layer. Limited amounts of Lygodium japonicum present within wetland.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.47	0.40

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

For impact assessment areas
FL = delta x acres = 0.07x0.759=0.053

Delta = [with-current]
0.4 - 0.47 = 0.07

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
North Florida Resiliency Connection		W-EE-107A

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
640	Vegetated Non-forested Wetlands	Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10: 0311020309 Jumping Gully Creek - Withlacoochee River		

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

Adjacent to I-10; runoff drains into wetland. Separated from pond to the north by berm, likely connected through subsurface connection.

Assessment area description

Vegetation within the wetland is herbaceous pasture.

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

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, 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)
songbirds, amphibians, reptiles, mammals,	

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

Dead cow, vultures

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Rebecca Dutton and Dennis Pickett	2/13/2019

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-107A
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Rebecca Dutton and Dennis Pickett	2/13/2019

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 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	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes pasture and mixed hardwood-conifer forest.	4	4
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope, a berm separating the wetland from a pond, and an old road partially built up between the PEM and PFO parts of the wetland.	5	5
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Primarily vegetated with herbaceous layer. Limited amounts of Lygodium japonicum.	5	5

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.47	0.47

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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 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-107A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Rebecca Dutton and Dennis Pickett	2/13/2019

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 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	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes pasture and mixed hardwood-conifer forest.	4	0
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope, a berm separating the wetland from a pond, and an old road partially built up between the PEM and PFO parts of the wetland.	5	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Primarily vegetated with herbaceous layer in the east and forested in the west. Limited amounts of Lygodium japonicum and Cinnamomum comphora in the forested part of the wetland.	5	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.47	0.00

Delta = [with-current]

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 =

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
North Florida Resiliency Connection		W-EE-107B

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

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10: 0311020309 Jumping Gully Creek - Withlacoochee River		

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

Adjacent to I-10; runoff drains into wetland. Separated from pond to the north by berm, likely connected through subsurface connection.

Assessment area description

Vegetation within the wetland is hardwood-conifer forest.

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

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, 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)
songbirds, amphibians, reptiles, mammals,	

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

Dead cow, vultures

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Rebecca Dutton and Dennis Pickett	2/13/2019

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-107B
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Rebecca Dutton and Dennis Pickett	2/13/2019

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 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	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes pasture and mixed hardwood-conifer forest.	4	4
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope, a berm separating the wetland from a pond, and an old road partially built up between the PEM and PFO parts of the wetland.	5	5
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Primarily forested wetland with limited diversity. Limited amounts of Lygodium japonicum and Cinnamomum comphora.	5	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.47	0.40

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

For impact assessment areas
FL = delta x acres = 0.07x0.293=0.02

Delta = [with-current]
0.4 - 0.47 = 0.07

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
North Florida Resiliency Connection		W-EE-110

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
640	Vegetated Non-forested Wetlands	Impact	

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
HUC 10: 0311020309 Jumping Gully Creek - Withlacoochee River		

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

Adjacent to I-10; runoff drains into wetland.

Assessment area description

Vegetation within the wetland is predominantly herbaceous with scattered shrubs.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, associated FDOT fence, regenerating forest.	Not unique

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, 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)
Wading birds, songbirds, amphibians, reptiles, mammals,	

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):
Rebecca Dutton and Dennis Pickett	2/13/2019

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-110
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Rebecca Dutton and Dennis Pickett	2/13/2019

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 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	This wetland is bounded by 1-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects the wetland. The surrounding area land use includes regenerating forest.	5	5
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope, and old pine plantation in the surrounding areas.	5	5
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Primarily vegetated with herbaceous species and some open water. Limited diversity.	5	5

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

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-112

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
640	Vegetated Non-Forested Wetlands		

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

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

Adjacent to I-10; A portion of this wetland is within a farm field and appears to be an excavated, manmade pond with fringe wetland.

Assessment area description

Vegetation within the wetland is primarily emergent.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, Overpass, and improved pasture	

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	

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

Additional relevant factors:

This area should be mixed hardwood wetland but has been heavily disturbed

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-112
Impact or Mitigation	Assessment conducted by:	Assessment date:
	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 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	3	3	This wetland has farm pasture on one side, I-10 on another and the overpass road on the third side. The wetland to the west is also impacted by previous land disturbance and there is a residence associated.
.500(6)(b)Water Environment (n/a for uplands)	3	3	The hydroperiod of this wetland is severely altered by excavation within it, adjacent road uses and high overpass slope.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	3	3	The pond is filled with runoff and is emergent vegetation only.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.3	0.3

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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 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-112
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	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 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	This wetland has farm pasture on one side, I-10 on another and the overpass road on the third side. The wetland to the west is also impacted by previous land disturbance and there is a residence associated.	3	0
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is severely altered by excavation within it, adjacent road uses and high overpass slope.	3	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	The pond is filled with runoff and is emergent vegetation only.	3	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.3	0

Delta = [with-current]

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 =

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
North Florida Resiliency Connection		W-EE-113

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 Ecofina River	3	

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

Adjacent to I-10 and part of a large wetland system surrounded by agricultural uses

Assessment area description

Part of a large Gum Swamp. Surrounded by agricultural uses, primarily planted pines. Portions of the edges of the wetland are planted.

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)
deer, birds, reptiles, mammals	

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

hawks

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Elva Peppers	2/11/2019

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-113
Impact or Mitigation	Assessment conducted by:	Assessment date:
	Elva Peppers	2/11/2019

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 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	The wetland has I-10 on one side and has agriculture/planted pines on the other 3 sides. The wetland is large and is connected to other wetlands to the north and south.	5	5
.500(6)(b)Water Environment (n/a for uplands)	The wetland flows under I-10. Hydrology is adequate to support wetland functions. Reduction in scores are related to reduced water quality because of runoff on all sides from agriculture.	5	5
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	The wetland vegetation within the study area is affected by I-10, the fence and also portions of it on the perimeter are planted pines within the wetlands. This has affected the types of recruitment and understory.	4	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.47	0.43

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

For impact assessment areas
FL = delta x acres = 0.033x1.426=0.047

Delta = [with-current]
0.43-0.47=0.033

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 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-113
Impact or Mitigation	Assessment conducted by:	Assessment date:
Pole Location Impact	Elva Peppers	2/11/2019

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 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	w/o pres or current: 5	with: 0	The wetland has I-10 on one side and has agriculture/planted pines on the other 3 sides. The wetland is large and is connected to other wetlands to the north and south.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 0	The wetland flows under I-10. Hydrology is adequate to support wetland functions. Reduction in scores are related to reduced water quality because of runoff on all sides from agriculture.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 4	with: 0	The wetland vegetation within the study area is affected by I-10, the fence and also portions of it on the perimeter are planted pines within the wetlands. This has affected the types of recruitment and understory.

Score = sum of above scores/30 (if uplands, divide by 20)		
current or w/o pres: 0.47	with: 0	

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-116A

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
640	Vegetated Non-forested Wetlands		

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 and the fringe of a large pond- Hutto Pond

Assessment area description

The wetland is the floodplain of a large pond that is inundated. I-10 is on one side and there is also a road that serves as a dam within the project area. There is an overpass adjacent and the wetland in between the dirt road/dam is heavily impacted by dredging and runoff.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, dirt road, large open water body	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)
deer, birds, raptors, wading birds, reptiles, mammals	

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

hawks, song birds, mud turtle

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Elva Peppers	2/11/2019

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-116A
Impact or Mitigation	Assessment conducted by:	Assessment date:
	Elva Peppers	2/11/2019

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 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	The wetland has I-10 on one side, and also a manmade road that bisects the wetland. The portion of the wetland between the two roads is severely affected.	3	3
.500(6)(b)Water Environment (n/a for uplands)	The majority of the wetland is between the dam and I-10 and a portion is also on the north side of the dam and along the fringe of the pond. The water environment is not good between the dam and I-10 and exhibits stagnant water, runoff and poor circulation, there are big piles of torn up asphalt and dirt stacked along the edge of the wetland.	3	3
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	The wetland vegetation within the study area is affected by I-10, the fence, the dam, and the piles of debris along the edges.	3	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.3	0.3

Delta = [with-current]

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 =

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
North Florida Resiliency Connection		W-EE-116B

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
631	Wetland Scrub		

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 and the fringe of a large pond- Hutto Pond

Assessment area description

The wetland is the floodplain of a large pond that is inundated. I-10 is on one side and there is also a road that serves as a dam within the project area. There is an overpass adjacent and the wetland in between the dirt road/dam is heavily impacted by dredging and runoff.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, dirt road, large open water body	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)
deer, birds, raptors, wading birds, reptiles, mammals	

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

hawks, song birds, mud turtle

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Elva Peppers	2/11/2019

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-116B
Impact or Mitigation	Assessment conducted by:	Assessment date:
	Elva Peppers	2/11/2019

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 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	The wetland has I-10 on one side, and also a manmade road that bisects the wetland. The portion of the wetland between the two roads is severely affected.	3	3
.500(6)(b)Water Environment (n/a for uplands)	The majority of the wetland is between the dam and I-10 and a portion is also on the north side of the dam and along the fringe of the pond. The water environment is not good between the dam and I-10 and exhibits stagnant water, runoff and poor circulation, there are big piles of torn up asphalt and dirt stacked along the edge of the wetland.	3	3
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	The wetland vegetation within the study area is affected by I-10, the fence, the dam, and the piles of debris along the edges. There are also many vines affecting the shrub canopy.	3	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.3	0.3

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-117

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

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 and the fringe of a small pond

Assessment area description

The wetland is the floodplain of a small pond that is inundated. I-10 on one side, the adjacent land uses are upland planted pine. There has been some soil manipulation within the wetland, which may have been done while digging out the pond. The pond may be manmade.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, small pond	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)
deer, birds, raptors, wading birds, reptiles, mammals	Could be suitable foraging for wood stork

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	2/11/2019

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-117
Impact or Mitigation	Assessment conducted by:	Assessment date:
	Elva Peppers	2/11/2019

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 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	w/o pres or current: 4	with: 4	The wetland has I-10 on one side, an open water small pond, and upland planted pine surrounding the pond.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 5	The water quality of the pond/wetland appears to be stable. There was no algal growth noted, there was a fishing pier and the water was clear. There is a fringe of hardwood uplands around the ponds that may help buffer it from runoff from upland uses.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 6	with: 3	There was disturbed soil presumed to have occurred while enlarging or creating the pond historically. The vegetation is moderately aged and has sufficient diversity.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.5	0.4

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

For impact assessment areas
FL = delta x acres = 0.1x0.457=0.046

Delta = [with-current]
0.4-0.5=0.1

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
North Florida Resiliency Connection		W-EE-118

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

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

Assessment area description

The wetland flows to the south. The portion of the wetland to the north is the headwaters of this larger system that flows south and feeds into Hankings Prairie. The lands surrounding the wetland are planted pine and agriculture.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, agricultural areas surround the wetland on 3 sides, and I-10 to the south.	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)
deer, birds, raptors, wading birds, reptiles, mammals	

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	2/12/2019

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-118
Impact or Mitigation	Assessment conducted by:	Assessment date:
	Elva Peppers	2/12/2019

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 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	5	5	The wetland has I-10 on one side, additional portions of the wetland to the north, and is surrounded by planted pine and agricultural uses. On the west side of the wetland there is a natural forested area buffer.
.500(6)(b)Water Environment (n/a for uplands)	6	6	The water quality of the pond/wetland appears to be stable.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	6	3	There was disturbed soil. The vegetation is moderately aged and has sufficient diversity.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.56	0.46

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

For impact assessment areas
FL = delta x acres = 0.1x2.86-=0.286

Delta = [with-current]
0.46-0.56=0.1

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 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-118
Impact or Mitigation	Assessment conducted by:	Assessment date:
Pole Location Impact	Elva Peppers	2/12/2019

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 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	The wetland has I-10 on one side, additional portions of the wetland to the north, and is surrounded by planted pine and agricultural uses. On the west side of the wetland there is a natural forested area buffer.	5	0
.500(6)(b)Water Environment (n/a for uplands)	The water quality of the pond/wetland appears to be stable. There was no algal growth noted, there was a fishing pier and the water was clear. There is a fringe of hardwood uplands around the pond that may help buffer it from runoff from upland uses.	6	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	There was disturbed soil presumed to have occurred while enlarging or creating the pond historically. The vegetation is moderately aged and has sufficient diversity.	6	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.56	0

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-119A

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 a wetland with a small runoff stream that flows to the north. This area is connected to Gress Swamp, a major wetland to the west.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, Gress Swamp, Planted pine	not unique

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, wildlife habiatat	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)
deer, birds, raptors, wading birds, reptiles, mammals	

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	2/12/2019

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-119A
Impact or Mitigation	Assessment conducted by:	Assessment date:
	Elva Peppers	2/12/2019

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: 5	with: 4
The wetland has I-10 on one side. The wetland ends at the road right of way, but the system is large to the west of this assessment area.		
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 5
There is adequate water to support wetland species. Based upon the condition of the stream and the presence of some silt and algae, the water quality appears to be impaired. There is a small stream that has formed from the edge of I-10.		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 6	with: 3
The species present were appropriate but limited diversity.		

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.53	0.40

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

For impact assessment areas
FL = delta x acres = 0.133x0.46= 0.061

Delta = [with-current]
0.4-0.53=0.133

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 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-119A
Impact or Mitigation	Assessment conducted by:	Assessment date:
Pole Location Impact	Elva Peppers	2/12/2019

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: 5	with: 0	The wetland has I-10 on one side. The wetland ends at the road right of way, but the system is large to the west of this assessment area.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 0	There is adequate water to support wetland species. Based upon the condition of the stream and the presence of some silt and algae, the water quality doesnt appear to be high. There is a small stream that has formed from the edge of I-10.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 6	with: 0	The species present were appropriate.

Score = sum of above scores/30 (if uplands, divide by 20)		
current or w/o pres: 0.53	with: 0	

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-119B

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 a wetland with a small runoff stream that flows to the north. This area is connected to Gress Swamp, a major wetland to the west.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, Gress Swamp, Planted pine	not unique

Functions	Mitigation for previous permit/other historic use
Water quality, water storage, wildlife habiatat	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)
deer, birds, raptors, wading birds, reptiles, mammals	

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	2/12/2019

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-119B
Impact or Mitigation	Assessment conducted by:	Assessment date:
	Elva Peppers	2/12/2019

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: 5 with: 4	The wetland has I-10 on one side. The wetland ends at the road right of way, but the system is large to the west of this assessment area.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current: 5 with: 5	There is adequate water to support wetland species. Based upon the condition of the stream and the presence of some silt and algae, the water quality appears to be impaired. There is a small stream that has formed from the edge of I-10.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current: 6 with: 3	The species present were appropriate but limited diversity.

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: 0.4	Preservation adjustment factor = Adjusted mitigation delta =	FL = delta x acres = 0.133x0.019=0.003

Delta = [with-current]	If mitigation	For mitigation assessment areas
0.4-0.5=0.1P	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]

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-121

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)
	Class 3	None

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

Hydrologic connection to Hixtown Swamp (headwaters to Aucialla River)

Assessment area description

Area sloping from upland ridge (mostly Pinus elliotti) into low lying wetland swamp with sweetgum, red maple, sweetbay).

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 DOT ROW	Rarity due to headwaters to Aucilla River and associated floodplains.

Functions	Mitigation for previous permit/other historic use
Widlife, surface run off, and conveyence to headwaters.	None

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)
Raccoon, deer, birds, alligator	None

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

None

Additional relevant factors:

Very weedy (Rubus dominant) upslope and in DOT ROW.

Assessment conducted by:	Assessment date(s):
Erik Oien	2/7/2019

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-121
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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 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	Head water - very valuable. Connection to Hixtown Swamp which is headwater to Aucilla River. Upland and DOT ROW with concrete drainageway.	7	7
.500(6)(b)Water Environment (n/a for uplands)	Head water - very valuable. Pollution from I-10. Wildlife obstruction from south of proposed ROW due to deer fence.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Desireable native spp in all strata. Probably had cypress, but logged. Due to winter, could not observe all forested pp.	7	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.66	0.53

Delta = [with-current]
0.53-0.66=0.13

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 = 0.133x2.204=0.294

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		W-EE-121
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Erik Oien	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 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	Head water - very valuable. Connection to Hixtown Swamp which is headwater to Aucilla River. Upland and DOT ROW with concrete drainageway.	7	0
.500(6)(b)Water Environment (n/a for uplands)	Head water - very valuable. Pollution from I-10. Wildlife obstruction from south of proposed ROW due to deer fence.	6	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Desireable native spp in all strata. Probably had cypress, but logged. Due to winter, could not observe all forested pp.	7	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.66	0

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-122A

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)
	Class 3	None

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

Hydrologic connection to Hixtown Swamp (headwaters to Aucialla River)

Assessment area description

Diverse wetland to north of berm road.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 DOT ROW	Rarity due to headwaters to Aucilla River . Extensive

Functions	Mitigation for previous permit/other historic use
Widlife, surface run off, and conveyence to headwaters.	None

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)
Raccoon, deer, birds, amphibians, reptiles.	Wood stork

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

9' alligator, white heron, mud turtle.

Additional relevant factors:

Ditch compresses- only 40' wide x ? Long (see aerial). The remainder is high quality wetland - a major headwater to Aucilla River, via Little Aucilla River; part of Hixtown Swamp.

Assessment conducted by:	Assessment date(s):
Erik Oien	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-122A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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 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	I-10 to south with large culvert and adjacent, sloping pasture to the west. Ditch 40' wide to south at east and west end of wetland, but not in the middle where cypress present.
.500(6)(b)Water Environment (n/a for uplands)	8	8	This wetland is Hixtown Swamp which is headwaters to Aucilla River. High quality water due to continuous freshwater upwelling. Pollutants from I-10 runoff. Culvert under I-10. Flow runs NNE to start Aucilla River.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	7	3	Some cypress logged. Remaining cypress < 10" dbh. Due to winter, cannot ID all plant spp. Ditch vegetation is native aquatic and emergent plant spp.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.73	0.6

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

For impact assessment areas
FL = delta x acres =0.13x0.022=0.003

Delta = [with-current]
0.6-0.73=0.13

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 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-122A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Erik Oien	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 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	I-10 to south with large culvert and adjacent, sloping pasture to the west. Ditch 40' wide to south at east and west end of wetland, but not in the middle where cypress present.	7	0
.500(6)(b)Water Environment (n/a for uplands)	This wetland is Hixtown Swamp which is headwaters to Aucilla River. High quality water due to continuous freshwater upwelling. Pollutants from I-10 runoff. Culvert under I-10. Flow runs NNE to start Aucilla River.	8	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Some cypress logged. Remaining cypress < 10" dbh. Due to winter, cannot ID all plant spp. Ditch vegetation is native aquatic and emergent plant spp.	7	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.73	0

Delta = [with-current]

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 =

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
North Florida Resiliency Connection		W-EE-122B

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)
	Class 3	None

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

Hydrologic connection to Hixtown Swamp (headwaters to Aucialla River)

Assessment area description

Diverse wetland to north of berm road.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 DOT ROW	Rarity due to headwaters to Aucilla River . Extensive

Functions	Mitigation for previous permit/other historic use
Widlife, surface run off, and conveyence to headwaters.	None

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)
Raccoon, deer, birds, amphibians, reptiles.	Wood stork

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

9' alligator, white heron, mud turtle.

Additional relevant factors:

Ditch compresses- only 40' wide x ? Long (see aerial). The remainder is high quality wetland - a major headwater to Aucilla River, via Little Aucilla River; part of Hixtown Swamp.

Assessment conducted by:	Assessment date(s):
Erik Oien	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-122B
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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 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	I-10 to south with large culvert and adjacent, sloping pasture to the west. Ditch 40' wide to south at east and west end of wetland, but not in the middle where cypress present.	7	7
.500(6)(b)Water Environment (n/a for uplands)	This wetland is Hixtown Swamp which is headwaters to Aucilla River. High quality water due to continuous freshwater upwelling. Pollutants from I-10 runoff. Culvert under I-10. Flow runs NNE to start Aucilla River.	8	8
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Some cypress logged. Remaining cypress < 10" dbh. Due to winter, cannot ID all plant spp. Ditch vegetation is native aquatic and emergent plant spp.	7	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.73	0.6

Delta = [with-current]
0.6-0.73=0.13

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 =0.13x0.380=0.050

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
North Florida Resiliency Connection		W-EE-122C

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)
	Class 3	None

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

Hydrologic connection to Hixtown Swamp (headwaters to Aucialla River)

Assessment area description

Diverse wetland to north of berm road.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 DOT ROW	Rarity due to headwaters to Aucilla River . Extensive

Functions	Mitigation for previous permit/other historic use
Widlife, surface run off, and conveyence to headwaters.	None

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)
Raccoon, deer, birds, amphibians, reptiles.	Wood stork

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

9' alligator, white heron, mud turtle.

Additional relevant factors:

Ditch compresses- only 40' wide x ? Long (see aerial). The remainder is high quality wetland - a major headwater to Aucilla River, via Little Aucilla River; part of Hixtown Swamp.

Assessment conducted by:	Assessment date(s):
Erik Oien	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-122C
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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 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	I-10 to south with large culvert and adjacent, sloping pasture to the west. Ditch 40' wide to south at east and west end of wetland, but not in the middle where cypress present.	7	7
.500(6)(b)Water Environment (n/a for uplands)	This wetland is Hixtown Swamp which is headwaters to Aucilla River. High quality water due to continuous freshwater upwelling. Pollutants from I-10 runoff. Culvert under I-10. Flow runs NNE to start Aucilla River.	8	8
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Some cypress logged. Remaining cypress < 10" dbh. Due to winter, cannot ID all plant spp. Ditch vegetation is native aquatic and emergent plant spp.	7	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.73	0.6

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

For impact assessment areas
FL = delta x acres =0.13x2.178=0.283

Delta = [with-current]
0.6-0.73=0.13

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
North Florida Resiliency Connection		W-EE-123

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 Fearnside Lake	3	

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

Adjacent to I-10 Part of a huge swamp

Assessment area description

This wetland is natural and holds a lot of water. There are many depressional areas within the wetland.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10	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)
Many wildlife probably use this swamp, but I would anticipate less use near the highway, as there are more expansive areas that are not by the I-10 corridor. Bear, deer, small mammals, wading birds, reptiles.	Black bear, alligator, wading birds

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

deer, raccoon, coyote, wild hog, songbirds, small fish

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Elva Peppers	2/7/2019

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-123
Impact or Mitigation	Assessment conducted by:	Assessment date:
	Elva Peppers	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 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	6	6	The location has benefits through its adjacency to a large intact swamp. Negatives are the major barrier of the highway and fencing.
.500(6)(b)Water Environment (n/a for uplands)	6	6	The water environment is intact, however, there are periodic areas where ditching and excavation has occurred, perhaps for borrow fill. The flow patterns are affected by channelization through ditches that flow under I-10. The water environment is capable of supporting all its functions.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	7	3	The vegetation is mostly intact, there are some exotic species including Japanese climbing fern, Silverthorn, and Nandina, but they are not very prevalent. The edges are more affected by these conditions than the interior's. The canopy is intact and contains Red Maple, Sweetgum, Blackgum, Bald Cypress, and Sweetbay Magnolia.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.63	0.5

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

For impact assessment areas
FL = delta x acres = 0.13x14.923=1.94

Delta = [with-current]
0.5-0.63=0.13

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 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-123
Impact or Mitigation	Assessment conducted by:	Assessment date:
Pole Location Impact	Elva Peppers	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 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	w/o pres or current: 6	with: 0	The location has benefits through its adjacency to a large intact swamp. Negatives are the major barrier of the highway and fencing.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 6	with: 0	The water environment is intact, however, there are periodic areas where ditching and excavation has occurred, perhaps for borrow fill. The flow patterns are affected by channelization through ditches that flow under I-10. The water environment is capable of supporting all its functions.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 0	The vegetation is mostly intact, there are some exotic species including Japanese climbing fern, Silverthorn, and Nandina, but they are not very prevalent. The edges are more affected by these conditions than the interior's. The canopy is intact and contains Red Maple, Sweetgum, Blackgum, Bald Cypress, and Sweetbay Magnolia.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres: 0.63	with: 0

Delta = [with-current]

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 =

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
North Florida Resiliency Connection		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:
	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	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.	w/o pres or current: 4	with: 4
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is severely altered, but still performs its functions to a certain degree.	w/o pres or current: 4	with: 4
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	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.	w/o pres or current: 5	with: 3

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

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

For impact assessment areas
FL = delta x acres =0.07x0.325=0.023

Delta = [with-current]
0.36-0.43=0.07

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
North Florida Resiliency Connection		W-EE-125

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 Fearnside Lake	3	

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

Adjacent to I-10; The uplands and part of the wetlands are young planted pines.

Assessment area description

The center of the wetland which is out of the project is gum swamp and the edges are planted pines.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10	

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

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-125
Impact or Mitigation	Assessment conducted by:	Assessment date:
	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 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	5	5	Part of this wetland is in planted pine along the edges and the center is a large gum swamp.
.500(6)(b)Water Environment (n/a for uplands)	6	6	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	5	3	The natural condition of this area may have been a gum/bay/maple swamp similar to the major wetland that is adjacent. Vegetative structure has been modified by planting pines along and into the wetland boundary.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.53	0.46

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

For impact assessment areas
FL = delta x acres = 0.07x3.114=0.218

Delta = [with-current]
0.46-0.53=0.07

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 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-125
Impact or Mitigation	Assessment conducted by:	Assessment date:
Pole Location Impact	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 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	Part of this wetland is in planted pine along the edges and the center is a large gum swamp.	5	0
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is severely altered, but still performs its functions to a certain degree.	6	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	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.	5	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.53	0

Delta = [with-current]

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 =

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
North Florida Resiliency Connection		W-EE-126

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

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 uplands and part of the wetlands are young planted pines.

Assessment area description

Herbaceous portion of a larger wetland system.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10	

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

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-126
Impact or Mitigation	Assessment conducted by:	Assessment date:
	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 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	5	5	Part of this wetland is in planted pine along the edges.
.500(6)(b)Water Environment (n/a for uplands)	6	6	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	5	3	The natural condition of this area may have been a gum/bay/maple swamp similar to the major wetland that is adjacent. This portion of the wetland is now herbaceous wetland due to ephemeral pond.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.54	0.47

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

For impact assessment areas
FL = delta x acres = 0.07x2.250=0.158

Delta = [with-current]
0.47-0.57=0.07

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 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-126
Impact or Mitigation	Assessment conducted by:	Assessment date:
Pole Location Impact	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 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	Part of this wetland is in planted pine along the edges and the center is a large gum swamp.	5	0
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is severely altered, but still performs its functions to a certain degree.	6	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	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.	5	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.53	0

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-127

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

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
	Class 3	None

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

Connected to emergent marsh north of ROW.

Assessment area description

Depression extension of pine upland, where loblolly drops out and oaks increase with increasing water levels.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Foot ROW, I-10	Common to North Florida

Functions	Mitigation for previous permit/other historic use
Stormwater conveyance for flood control. Water altering wildlife. Groundwater recharge	No

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)
Armadillo burrow	None

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

Armadillo burrow

Additional relevant factors:

Alligator weed dominates ditch.

Assessment conducted by:	Assessment date(s):
Elva Peppers	2/4/2019

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-127
Impact or Mitigation	Assessment conducted by:	Assessment date:
	Elva Peppers	2/4/2019

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	4	4	I-10 ROW ditch and grass bank. Neighboring emergent marsh to the north.
.500(6)(b)Water Environment (n/a for uplands)	3	3	Petroleum producs run off from road. Signs of litter from stormwater runoff. Potential herbicide usage.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	2	1	Planted pines occupy small area of this wetland along with oaks. Little diversity on ground cover. Alligator weed dominates ditch.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.3	0.27

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

For impact assessment areas
FL = delta x acres = 0.03x0.097=0.003

Delta = [with-current]
0.27-0.3=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
North Florida Resiliency Connection		W-EE-128A

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

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 I10 and connected to a larger wetland system that flows from the South to the Northwest under I10.

Assessment area description

Stream divides up into several drainage pathways on the East end of the wetland, then heads North. Connected to stream and weedy upland (low quality)

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
Flood attenuation, Water storage, Wildlife, Filtering of Road Pollutants	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 (including bear, raccoon and deer), wading and song birds, amphibians, and reptiles.	NA

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

Deer droppings in the upland to the East. Observed spiders, frogs, lizards (*Anolis carolinensis*).

Additional relevant factors:

Shallow stream runs northeast first 70' appx then enters right of way and wetland running Southeast at Fence/DOT row to then turns North off proposed Right of Way .

Assessment conducted by:	Assessment date(s):
N Raymond and N Calhoun	2/6/2019

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-128A
Impact or Mitigation	Assessment conducted by:	Assessment date:
	N. Raymond and N. Calhoun	2/6/2019

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	Upland edge to North and East was weedy with vines. Berms adjacent to and on North Row are dry.	3	3
.500(6)(b)Water Environment (n/a for uplands)	The stream has been impacted from continuing runoff from the adjacent interstate. Possible gas pollution afloat on iron deposits. Algae and duckweed present.	3	3
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes loblolly pine, sweet bay and water oak. *Itea virginica, Cyrilla racemiflora* , *Smilax laurifolia* and *Ceratophyllum demersum* were also present.	6	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.40	0.3

Delta = [with-current]
0.3-0.4=0.1

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 = 0.10x7.714=0.771

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		W-EE-128A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	N. Raymond and N. Calhoun	2/6/2019

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	Upland edge to North and East was weedy with vines. Berms adjacent to and on North Row are dry.	3	0
.500(6)(b)Water Environment (n/a for uplands)	The stream has been impacted from continuing runoff from the adjacent interstate. Possible gas pollution afloat on iron deposits. Algae and duckweed present.	3	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes loblolly pine, sweet bay and water oak. *Itea virginica, Cyrilla racemiflora* , *Smilax laurifolia* and *Ceratophyllum demersum* were also present.	6	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.40	0

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-130

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)
HUC 10 Fearnside Lake		

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

Adjacent to I-10; Runoff from I-10 drains into wetland.

Assessment area description

Vegetation within the wetland is a mix of hardwoods, shrubs, and mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and Overpass and associated FDOT fence	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)
Wading birds, reptiles, mammals	

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

Deer tracks

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Nicole Jeter	2/4/2019

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-130
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Nicole Jeter	2/4/2019

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 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	5	5	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations and a large area of recently logged pine stands.
.500(6)(b)Water Environment (n/a for uplands)	6	6	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope. Additionally, a berm road has been cleared along the boundary of the wetland, which disrupts natural flow.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	5	3	Outer portions of wetland contain Lygodium japonicum. Age and size distribution of trees show signs that wetland was cleared within the last couple of decades.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.53	0.46

Delta = [with-current]
0.46-0.53=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 = 0.07x0.918=0.064

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		W-EE-130
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Nicole Jeter	2/4/2019

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 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	w/o pres or current: 5	with: 0
This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations and a large area of recently logged pine stands.		
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 6	with: 0
The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope. Additionally, a berm road has been cleared along the boundary of the wetland, which disrupts natural flow.		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 5	with: 0
Outer portions of wetland contain Lygodium japonicum. Age and size distribution of trees show signs that wetland was cleared within the last couple of decades.		

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.53	0

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-131

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)
HUC 10 Fearnside Lake		

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

Adjacent to I-10; Runoff from I-10 drains into wetland.

Assessment area description

Vegetation within the wetland is a mix of hardwoods, shrubs, and mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and associated FDOT fence	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)
Wading birds, reptiles, mammals	

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

deer tracks and songbirds

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Nicole Jeter	2/4/2019

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-131
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Nicole Jeter	2/4/2019

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 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	5	5	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations and a large area of recently logged pine stands.
.500(6)(b)Water Environment (n/a for uplands)	6	6	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope. Additionally, a berm road has been cleared along the boundary of the wetland, which disrupts natural flow.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	5	3	Age and size distribution of trees show signs that wetland was cleared within the last couple of decades.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.53	0.46

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

For impact assessment areas
FL= delta x acres = 0.07x4.656=0.326

Delta = [with-current]
0.46-0.53=0.07

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 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-131
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Nicole Jeter	2/4/2019

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 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	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations and a large area of recently logged pine stands.	5	0
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope. Additionally, a berm road has been cleared along the boundary of the wetland, which disrupts natural flow.	6	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Age and size distribution of trees show signs that wetland was cleared within the last couple of decades.	5	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.53	0

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-133

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)
HUC 10 Fearnside Lake		

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

Adjacent to I-10; Runoff from I-10 drains into wetland.

Assessment area description

Vegetation within the wetland is a mix of hardwoods, shrubs, and mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and associated FDOT fence	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)
Wading birds, reptiles, mammals	

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

songbirds

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Nicole Jeter	2/4/2019

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-133
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Nicole Jeter	2/4/2019

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 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	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations and a large area of recently logged pine stands.	5	5
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope. Additionally, a berm road has been cleared along the boundary of the wetland, which disrupts natural flow.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Age and size distribution of trees show signs that wetland was cleared within the last couple of decades.	5	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.53	0.46

Delta = [with-current]
0.46-0.53=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 = 0.07x3.135=0.219

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		W-EE-133
Impact or Mitigation	Assessment conducted by:	Assessment date:
Pole Location Impact	Nicole Jeter	2/4/2019

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 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	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations and a large area of recently logged pine stands.	5	0
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope. Additionally, a berm road has been cleared along the boundary of the wetland, which disrupts natural flow.	6	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Age and size distribution of trees show signs that wetland was cleared within the last couple of decades.	5	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.53	0

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-134A

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
631	Wetland Scrub	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		

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

Adjacent to I-10; Runoff from I-10 drains into wetland. A stream traverses through wetland, north, across Thompson Valley Rd, and into wetlands north of assessment area.

Assessment area description

Vegetation within the wetland is a mix of hardwoods, shrubs, and mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and Overpass and associated FDOT fence, Hwy 19, and surrounding roads.	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)
Wading birds, reptiles, mammals	

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

skeleton of mud puppy observed

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Nicole Jeter	2/5/2019

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-134A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Nicole Jeter	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 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	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations and a large area of recently logged pine stands.	5	5
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Community structure is to be expected, except the age/size distribution of species shows that area was likely cleared within the last 20-30 years.	6	6

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

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-134B

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
640	Vegetated Non-forested Wetlands	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		

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

Adjacent to I-10; Runoff from I-10 drains into wetland. A stream traverses through wetland, north, across Thompson Valley Rd, and into wetlands north of assessment area.

Assessment area description

Vegetation within the wetland is a mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and Overpass and associated FDOT fence, Hwy 19, and surrounding roads.	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)
Wading birds, reptiles, mammals	

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

skeleton of mud puppy observed

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Nicole Jeter	2/5/2019

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-134B
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Nicole Jeter	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 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	5	5	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations and a large area of recently logged pine stands.
.500(6)(b)Water Environment (n/a for uplands)	6	6	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	6	6	Vegetation is a mixed herbaceous layer with appropriate species for the region but limited diversity.

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

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-134C

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

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

Adjacent to I-10; Runoff from I-10 drains into wetland. A stream traverses through wetland, north, across Thompson Valley Rd, and into wetlands north of assessment area.

Assessment area description

Vegetation within the wetland is a mix of hardwoods, shrubs, and mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and Overpass and associated FDOT fence, Hwy 19, and surrounding roads.	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)
Wading birds, reptiles, mammals	

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

skeleton of mud puppy observed

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Nicole Jeter	2/5/2019

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-134C
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Nicole Jeter	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 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	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations and a large area of recently logged pine stands.	5	5
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Community structure is to be expected, except the age/size distribution of species shows that area was likely cleared within the last 20-30 years.	6	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.56	0.46

Delta = [with-current]
0.46-0.56=0.1

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 = 0.10x0.069=0.007

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
North Florida Resiliency Connection		W-EE-136

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

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

Adjacent to I-10; Runoff from I-10 drains into wetland.

Assessment area description

Vegetation within the wetland is a mix of hardwoods, shrubs, and mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and associated FDOT fence	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)
Wading birds, reptiles, mammals	

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):
Nicole Jeter	2/5/2019

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-136
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Nicole Jeter	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 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	5	5	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations
.500(6)(b)Water Environment (n/a for uplands)	6	6	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	6	3	Community structure is to be expected, except the age/size distribution of species shows that area was likely cleared within the last 20-30 years.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.56	0.46

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

For impact assessment areas
FL = delta x acres = 0.10x0.488=0.049

Delta = [with-current]
0.46-0.56=0.1

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
North Florida Resiliency Connection		W-EE-137

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

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

Adjacent to I-10; Runoff from I-10 drains into wetland.

Assessment area description

Vegetation within the wetland is a mix of hardwoods, shrubs, and mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and associated FDOT fence	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)
Wading birds, reptiles, mammals	

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):
Nicole Jeter	2/5/2019

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-137
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Nicole Jeter	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 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	5	5	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations
.500(6)(b)Water Environment (n/a for uplands)	6	6	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	6	3	Community structure is to be expected, except the age/size distribution of species shows that area was likely cleared within the last 20-30 years.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.56	0.46

Delta = [with-current]
0.46-0.56=0.1

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 = 0.10x0.644=0.064

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
North Florida Resiliency Connection		W-EE-139

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
640	Vegetated Non-forested Wetlands	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		

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

Adjacent to larger wetland complex north of area

Assessment area description

Recently cleared pine stand adjacent to I-10

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and Overpass and associated FDOT fence, Hwy 19, and surrounding roads.	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)
Wading birds, reptiles, mammals	

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):
Nicole Jeter	2/6/2019

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-139
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Nicole Jeter	2/6/2019

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 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	This wetland is adjacent to I-10 on the southern boundary. The area is also surrounded by pine plantations and recently cleared pine stands.	2	2
.500(6)(b)Water Environment (n/a for uplands)	The hydrology of this wetland is completely altered. It appears that streams may have traversed the area, however the wetland has been clear cut and a large built up road has created a berm on the southern boundary of the wetland, blocking natural flow.	2	2
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	The entire wetland has been clear cut and there are no identifiable species. Area is covered with dead pine branches and pine straw.	2	2

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.2	0.23

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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
North Florida Resiliency Connection		W-EE-140A

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

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

Aucilla River flows through wetland. Adjacent to I-10 and runoff from I-10 drains into wetland.

Assessment area description

Vegetation within the wetland is a mix of hardwoods, shrubs, and mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and associated FDOT fence south of wetland, Aucilla River flows through wetland further west.	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)
Wading birds, reptiles, mammals	

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):
Nicole Jeter	2/6/2019

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-140A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Nicole Jeter	2/6/2019

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 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	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations, areas of recently logged pine stands, and cow pasture. Aucilla River flows through wetland west of assessment area.	6	5
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Invasive species observed in the outer portion of wetland.	6	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.6	0.47

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

For impact assessment areas
FL = delta x acres = 0.13x4.926=0.640

Delta = [with-current]
0.47-0.6=0.13

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
North Florida Resiliency Connection		W-EE-140B

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

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

Aucilla River flows through wetland. Adjacent to I-10 and runoff from I-10 drains into wetland.

Assessment area description

Vegetation within the wetland is a mix of hardwoods, shrubs, and mixed herbaceous layer.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and associated FDOT fence south of wetland, Aucilla River flows through wetland further west.	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)
Wading birds, reptiles, mammals	

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):
Nicole Jeter	2/6/2019

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-140B
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Nicole Jeter	2/6/2019

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 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	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations, areas of recently logged pine stands, and cow pasture. Aucilla River flows through wetland west of assessment area.	6	6
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Invasive species observed in the outer portion of wetland.	6	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.6	0.5

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

For impact assessment areas
FL = delta x acres = 0.10x1.267=0.127

Delta = [with-current]
0.5-0.6=0.1

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 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-140B
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Nicole Jeter	2/6/2019

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 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	This wetland is bounded by I-10 on the southern boundary. There is a large, barbed wire FDOT fence that also transects wetland. The surrounding area land use includes pine plantations, areas of recently logged pine stands, and cow pasture. Aucilla River flows through wetland west of assessment area.	6	0
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is altered by adjacent road and interstate right of way slope.	6	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	invasive species observed in the outer portion of wetland.	6	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.6	0

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

For impact assessment areas
FL = delta x acres =

Delta = [with-current]

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]