ATTACHMENT A

UMAM Worksheets - Jefferson 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-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 = 0.13x4.963=0.645

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 = 0.1 x 1.433 = 0.143

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 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]

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-142

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

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, connected hydrologically to bottomlands to the north

Assessment area description

The depressional wetland with cypress

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals, resident songbirds, wading birds, reptiles and amphibians.	NA

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

None

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/13/2019

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-142
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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	The depressional wetland is surrounded by coniferous plantations, an interstate rest stop, and I-10 to the south. However, the wetland is located with State conservation lands (Suwanee River Water Management District)	7	7
.500(6)(b)Water Environment (n/a for uplands)	The wetland is a depressional wetland that is hydrologically connected to bottomlands to the north.	8	8
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which consists predominantly of bald cypress with co-dominants of blackgum and red maple. Understory along the edges includes sweet gallberry and *Lyonia lucida.* Groundcover includes wetland sedges and grasses, such as *Xyris* and beakrush.	9	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.80	0.6

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

For impact assessment areas
FL = delta x acres = 0.2 x 0.483 = 0.097

Delta = [with-current]
0.2

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-142
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	A. Wickman and N. Calhoun	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	The depressional wetland is surrounded by coniferous plantations, an interstate rest stop, and I-10 to the south. However, the wetland is located with State conservation lands (Suwanee River Water Management District)	7	0
.500(6)(b)Water Environment (n/a for uplands)	The wetland is a depressional wetland that is hydrologically connected to bottomlands to the north.	8	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which consists predominantly of bald cypress with co-dominants of blackgum and red maple. Understory along the edges includes sweet gallberry and *Lyonia lucida.* Groundcover includes wetland sedges and grasses, such as *Xyris* and beakrush.	9	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.80	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-142A

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10, connected hydrologically to bottomlands to the north

Assessment area description

The depressional wetland with cypress

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals, resident songbirds, wading birds, reptiles and amphibians.	NA

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

None

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/13/2019

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-142A
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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	The depressional wetland is surrounded by coniferous plantations, an interstate rest stop, and I-10 to the south. However, the wetland is located with State conservation lands (Suwanee River Water Management District)	7	7
.500(6)(b)Water Environment (n/a for uplands)	The wetland is a depressional wetland that is hydrologically connected to bottomlands to the north.	8	8
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which consists predominantly of bald cypress with co-dominants of blackgum and red maple. Understory along the edges includes sweet gallberry and *Lyonia lucida.* Groundcover includes wetland sedges and grasses, such as *Xyris* and beakrush.	9	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.80	0.6

Delta = [with-current]
0.2

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 = 0.2 x 0.348 = 0.070

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-143

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

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

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

Unknown

Assessment area description

Medium sized concave red maple/bay swamp wetland depression within a pine plantation.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
This area is surrounded by pine plantation, has I-10 along its entire southern border, a rest area to the east, and Hendry Tram Road to the north.	Owned and managed by SRWMD

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Typical mammals, birds, amphibians, and reptiles. No fish were observed.	

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

Typical animal signs for the area: deer, raccoon, opossum, armadillo, turkey, bobcat, etc.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Joshua L. Bell	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-143
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Joshua L. Bell	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

.500(6)(a) Location and Landscape Support	w/o pres or current: 4	with: 4
Wetland is within a planted pine plantation and has I-10 to the south, a rest area to the west, and Hendry Tram Road to the north.		
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 7	with: 7
Appears to hold surface water long enough to support wildlife habitat. However it may not contain water long enough to support fish.		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 3
Appropriate vegetation for this location.		

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.60	0.47

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

For impact assessment areas
FL = delta x acres = 0.13 x 0.473 = 0.061

Delta = [with-current]
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-143
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Joshua L. Bell	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	Wetland is within a planted pine plantation and has I-10 to the south, a rest area to the west, and Hendry Tram Road to the north.	4	0
.500(6)(b)Water Environment (n/a for uplands)	Appears to hold surface water long enough to support wildlife habitat. However it may not contain water long enough to support fish.	7	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation for this location.	7	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.60	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-145

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

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

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

Connected to a large wetland system that is associated with Wolf Creek.

Assessment area description

This area is a bay swamp that is adjacent to Wolf Creek. East from Wolf Creek is a portino of hyric pine plantation before another bay swamp that also drains into Wolf Creek.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and Hendry Tram bisect this wetland system, altering its hydrology via culverts. Planted pine on its west and east sides. This wetland is owned/managed by SRWMD.	Unique because the wetland is connected to Wolf Creek and is owned and managed by SRWMD.

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Various mammals, fish, amphibians, birds, reptiles.	N/A

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

Deer tracks and various animal signs, red-shouldered hawk, minnows, crayfish.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Joshua L. Bell	2/7/2019

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-145
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Joshua L. Bell	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	Bisected by I-10 and its 12 foot wildlife fence and Hendry Tram Road. This area is protected and managed by SRWMD.
.500(6)(b)Water Environment (n/a for uplands)	8	8	Planted pines are on both sides of this wetland. Includes Wolf Creek and associated expansive wetland system to the north.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	8	3	Contains typical wetland overstory and benthic community species associated with flowing freshwater creeks.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.77	0.60

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

For impact assessment areas
FL = delta x acres = 0.17 x 1.327= 0.226

Delta = [with-current]
0.17

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-145
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Joshua L. Bell	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	Bisected by I-10 and its 12 foot wildlife fence and Hendry Tram Road. This area is protected and managed by SRWMD.	7	0
.500(6)(b)Water Environment (n/a for uplands)	Planted pines are on both sides of this wetland. Includes Wolf Creek and associated expansive wetland system to the north.	8	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Contains typical wetland overstory and benthic community species associated with flowing freshwater creeks.	8	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.77	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-147

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

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

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

This wetland appears isolated but is near a larger wetland system that is located northwest of it.

Assessment area description

Relatively small concave wetland with shallow, non-flowing water.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and Hendry Tram Road to the south. This wetland is surrounded by pine plantation.	Property belongs to SRWMD but is surrounded by planted pine.

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Mammals, amphibians, birds, reptiles.	N/A

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

Deer tracks and various animal signs

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Joshua L. Bell	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-147
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Joshua L. Bell	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: 7 with: 7	I-10 and its 12 foot wildlife fence and Hendry Tram Road are to its immediate south. This area is protected and managed by SRWMD.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current: 5 with: 5	Planted pines are on both sides of this wetland. Small potential of wildlife habitat for various wildlife.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current: 5 with: 3	Contains typical wetland overstory and understory species but with low 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: 0.57 with: 0.50	Preservation adjustment factor = Adjusted mitigation delta =	FL = delta x acres = 0.07 x 0.154 = 0.011

Delta = [with-current]	If mitigation	For mitigation assessment areas
0.07	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-149

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: Alligator Creek-Aucilla River	Class 3	

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

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

Assessment area description

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

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Mammals, amphibians,and reptiles. Less than ideal habitat.	N/A

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

Deer tracks and various animal signs

Additional relevant factors:

Adjacent to silvicultural practices on west side of wetland.

Assessment conducted by:	Assessment date(s):
Joshua L. Bell	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-149
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Joshua L. Bell	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 area is a small bowl that is holding some non-flowing surface water, I-10 and its 12-foot wildlife barrier fence are to the immideiate south. A road bisects this area, cutting it off from the wetlands and uplands to the north that are owned and managed by the SRWMD.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 3	with: 3	There is a small potential for habitat for various amphibians and insects.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 3	with: 1	Water is non-flowing and the vegetation is not very diverse.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.33	0.27

Delta = [with-current]
0.07

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

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

For impact assessment areas
FL = delta x acres = 0.07 x 0.238 = 0.016

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-151

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

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

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

Begins at I-10 and expands north. Hydro-connectivity is unknown.

Assessment area description

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and newly installed access road cuts through this wetland on its south side, altering the hydrology.	Not unique

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Various mammals, fish, amphibians, birds, reptiles.	N/A

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

Deer tracks and various animal signs, honey bees in tree cavity, 3-foot cottonmouth.

Additional relevant factors:

Adjacent to silvicultural practices on west side of wetland.

Assessment conducted by:	Assessment date(s):
Joshua L. Bell	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-151
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Joshua L. Bell	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

.500(6)(a) Location and Landscape Support	w/o pres or current: 5	with: 5	This wetland is bisected by I-10 and a recently installed road. This road has a culvert allowing water to drain from I-10 to the main wetland.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 7	with: 7	This wetland provides wildlife habitat, water quality, and water storage.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 8	with: 3	Aside from the surrounding manmade features and disturbances, the community structure for this wetland is appropriate.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.67	0.50

Delta = [with-current]
0.17

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 = 0.17 x 0.779 = 0.132

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-151
Impact or Mitigation	Assessment conducted by:	Assessment date:
Pole Location Impact	Joshua L. Bell	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 bisected by I-10 and a recently installed road. This road has a culvert allowing water to drain from I-10 to the main wetland.	5	0
.500(6)(b)Water Environment (n/a for uplands)	This wetland provides wildlife habitat, water quality, and water storage.	7	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Aside from the surrounding manmade features and disturbances, the community structure for this wetland is appropriate.	8	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.67	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-152

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 Alligator Creek-Aucilla River	3	

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

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

Assessment area description

Depressional bay swamp

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals, wading birds, raptors, woodpeckers, reptiles and amphibians.	NA

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

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/7/2019

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-152
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	2/7/2019

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

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

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.73	0.56

Delta = [with-current]
0.17

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 = 0.17 x 2.567 = 0.436

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-152
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	A. Wickman and N. Calhoun	2/7/2019

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

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

Score = sum of above scores/30 (if uplands, divide by 20)		
current or w/o pres: 0.73	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-153

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10, isolated hydrologically

Assessment area description

The depressional wetland is surrounded by agricultural activities and I-10 to the south.

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

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

None

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/7/2019

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-153
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	2/7/2019

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

	w/o pres or current	with	
.500(6)(a) Location and Landscape Support	7	7	The depressional wetland is surrounded by agricultural activities and I-10 to the south.
.500(6)(b)Water Environment (n/a for uplands)	6	6	The wetland is a small depressional wetland. The hydrology has been impacted by the construction of I-10 to the south and unimproved pastures surrounding the wetland. There may be a hydrological connection to northern hardwood swamps.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	7	3	Appropriate vegetation which includes red maple, sweetbay, and bald cypress. Understory and groundcover includes cassine holly and wetland sedges and grasses. The eastern and western perimeters have been cut over and revegetated with ruderal species.

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

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

For impact assessment areas
FL = delta x acres = 0.14 x 0.413 = 0.058

Delta = [with-current]
0.14

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-154

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 Alligator Creek-Aucilla River	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Adjacent to I-10, isolated hydrologically
Assessment area description Small depressional wetland

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

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

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/7/2019

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-154
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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	The location of the wetland is adjacent to Interstate I-10 to the south and unimproved pastures to the east, west, and north.	6	6
.500(6)(b)Water Environment (n/a for uplands)	The wetland is a small, isolated depressional wetland. The hydrology has been impacted by the construction of I-10 to the south and unimproved pastures.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes red maple, sweetbay, and bald cypress. Understory and groundcover includes cassine holly and wetland sedges and grasses.	7	3

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

Delta = [with-current]
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 = 0.13 x 0.306 = 0.040

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-155

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

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, connected hydrologically by interstate culvert
Assessment area description The depressional wetland with cypress

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

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

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/7/2019

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-155
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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	The depressional wetland is surrounded by coniferous plantations and I-10 to the south.	6	6
.500(6)(b)Water Environment (n/a for uplands)	The wetland is a small depressional wetland. The hydrology has been impacted by the construction of I-10 to the south and coniferous plantations.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes bald cypress with red maple and slash pine. Understory includes sweet gallberry and fetterbush. Groundcover includes wetland sedges and grasses, such a *Xyris* and beakrush. The eastern and western perimeters have been cut over and revegetated with ruderal species.	7	3

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

Delta = [with-current]
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 = 0.13 x 0.296 = 0.038

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-155
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	A. Wickman and N. Calhoun	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	The depressional wetland is surrounded by coniferous plantations and I-10 to the south.	6	0
.500(6)(b)Water Environment (n/a for uplands)	The wetland is a small depressional wetland. The hydrology has been impacted by the construction of I-10 to the south and coniferous plantations.	6	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes bald cypress with red maple and slash pine. Understory includes sweet gallberry and fetterbush. Groundcover includes wetland sedges and grasses, such a *Xyris* and beakrush. The eastern and western perimeters have been cut over and revegetated with ruderal species.	7	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.63	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-159A

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10

Assessment area description

Depressional wetland with cypress

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals and resident songbirds.	NA

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

None

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/7/2019

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-159A
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	2/7/2019

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

	w/o pres or current	with	
.500(6)(a) Location and Landscape Support	4	4	The depressional wetland is surrounded by coniferous plantations and I-10 to the south.
.500(6)(b)Water Environment (n/a for uplands)	6	6	The wetland is a depressional wetland. The hydrology has been impacted by silvicultural practices.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	6	3	Community structure has been altered by silvicultural practices. Dominant species include loblolly pine (planted), sweetbay, and red maple. Understory included fetterbush (Lyonia lucida). Groundcover is non existent and consists of needle fall.

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

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

For impact assessment areas
FL = delta x acres = 0.1 x 0.469 = 0.047

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 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-159A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	A. Wickman and N. Calhoun	2/7/2019

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

.500(6)(a) Location and Landscape Support w/o pres or current: 4 with: 0	The depressional wetland is surrounded by coniferous plantations and I-10 to the south.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current: 6 with: 0	The wetland is a small depressional wetland. The hydrology has been impacted by silvicultural practices.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current: 6 with: 0	Community structure has been altered by silvicultural practices. Dominant species include loblolly pine (planted), sweetbay, and red maple. Understory included fetterbush (Lyonia lucida). Groundcover is non existent and consists of needle fall.

Score = sum of above scores/30 (if uplands, divide by 20)		If preservation as mitigation,	For impact assessment areas
current or w/o pres: 0.53	with: 0	Preservation adjustment factor =	FL = delta x acres =
		Adjusted mitigation delta =	
Delta = [with-current]		If mitigation	For mitigation assessment areas
		Time lag (t-factor) =	RFG = delta/(t-factor x risk) =
		Risk factor =	

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-160

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 Alligator Creek-Aucilla River	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Adjacent to I-10
Assessment area description Depressional wetland with cypress

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals and resident songbirds.	NA

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

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/7/2019

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-160
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	2/7/2019

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

.500(6)(a) Location and Landscape Support w/o pres or current: 4 with: 4	The depressional wetland is surrounded by coniferous plantations and I-10 to the south.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current: 6 with: 6	The wetland is a depressional wetland. The hydrology has been impacted by silvicultural practices.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current: 6 with: 3	Community structure has been altered by silvicultural practices. Dominant species include loblolly pine (planted), sweetbay, and red maple. Understory included fetterbush (Lyonia lucida). Groundcover is non existent and consists of needle fall.

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: 0.43	Preservation adjustment factor =	FL = delta x acres = 0.1 x 0.13 = 0.013
	Adjusted mitigation delta =	

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

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-161

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

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

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

Adjacent to I-10

Assessment area description

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

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

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

Additional relevant factors:

Assessment conducted by:	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-161
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

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

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.5	0.43

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

For impact assessment areas
FL = delta x acres = 0.07 x 0.713 = 0.050

Delta = [with-current]
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-162

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 Alligator Creek-Aucilla River	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands	
Adjacent to I-10	
Assessment area description	
Depressional bottomland wetland	
Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10	Not unique
Functions	Mitigation for previous permit/other historic use
Water quality, water storage, wildlife habitat	NA
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals, wading birds, woodpeckers, resident songbirds, reptiles, and amphibians.	NA
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):	
None	
Additional relevant factors:	
Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/12/2019

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-162
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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: 6	with: 6	The location of the wetland is adjacent to Interstate I-10.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 7	with: 7	The wetland is bottomland swamp. The hydrology has been impacted by the construction of I-10 to the south and coniferous plantations to the east.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 3	Appropriate vegetation which includes red maple, sweetbay, and bald cypress. Understory and groundcover includes loblolly bay, sweet gallberry and wetland sedges and grasses.

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

Delta = [with-current]
0.14

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

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

For impact assessment areas
FL = delta x acres =0.14 x 0.599 = 0.084

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-162
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	A. Wickman and N. Calhoun	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: 6	with: 0	The location of the wetland is adjacent to Interstate I-10.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 7	with: 0	The wetland is bottomland swamp. The hydrology has been impacted by the construction of I-10 to the south and coniferous plantations to the east.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 0	Appropriate vegetation which includes red maple, sweetbay, and bald cypress. Understory and groundcover includes loblolly bay, sweet gallberry and wetland sedges and grasses.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.67	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-163

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 Alligator Creek-Aucilla River	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Adjacent to I-10	
Assessment area description Depressional wetland	
Significant nearby features I-10	Uniqueness (considering the relative rarity in relation to the regional landscape.) Not unique
Functions Water quality, water storage, wildlife habitat	Mitigation for previous permit/other historic use NA
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Provides habitat and refuge for mammals, wading birds, woodpeckers, resident songbirds, reptiles, and amphibians.	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area) NA
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.): None	
Additional relevant factors:	
Assessment conducted by: A Wickman and N Calhoun	Assessment date(s): 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-163
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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 location of the wetland is adjacent to Interstate I-10.	6	6
.500(6)(b)Water Environment (n/a for uplands)	The wetland is a small, isolated, circular depression. No hydrological connection was observed.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes red maple, loblolly bay, swamp bay, and water oak. No understory. Groundcover included wetland ferns and grasses. No benthic habitat.	7	3

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

Delta = [with-current]
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 = 0.13 x 0.0029 = 0.0004

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-164A

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10 and larger bay swamp to the north

Assessment area description

Depressional bay swamp

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals (including bear and deer), wading birds, raptors, woodpeckers, reptiles and amphibians.	NA

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

Additional relevant factors:

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

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-164A
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	2/5/2019

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

		w/o pres or current	with
.500(6)(a) Location and Landscape Support	The wetland is located adjacent to Interstate I-10 and a farm road. The wetland is part of a significant bottomland swamp to the north.	8	8
.500(6)(b)Water Environment (n/a for uplands)	The wetland is bottomland swamp. The hydrology has been impacted by the construction of I-10 to the south and the farm road to the north. The wetland is part of a large bottomland system to the north.	8	8
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes red maple, sweetbay, and loblolly bay. A low percentage of Japanese climbing fern was observed.	8	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.80	0.63

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

For impact assessment areas
FL = delta x acres = 0.17 x 7.182 = 1.221

Delta = [with-current]
0.17

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-164B

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10 and larger bay swamp to the north

Assessment area description

Depressional bay swamp

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals (including bear and deer), wading birds, raptors, woodpeckers, reptiles and amphibians.	NA

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

Additional relevant factors:

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

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

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-164B
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	2/5/2019

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

		w/o pres or current	with
.500(6)(a) Location and Landscape Support	The wetland is located adjacent to Interstate I-10 and a farm road. The wetland is part of a significant bottomland swamp to the north.	8	8
.500(6)(b)Water Environment (n/a for uplands)	The wetland is bottomland swamp. The hydrology has been impacted by the construction of I-10 to the south and the farm road to the north. The wetland is part of a large bottomland system to the north.	8	8
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes red maple, sweetbay, and loblolly bay. A low percentage of Japanese climbing fern was observed.	8	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.80	0.63

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

For impact assessment areas
FL = delta x acres = 0.17 x 0.686 = 0.117

Delta = [with-current]
017

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-164C

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10 and larger bay swamp to the north

Assessment area description

Depressional bay swamp

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals (including bear and deer), wading birds, raptors, woodpeckers, reptiles and amphibians.	NA

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

Additional relevant factors:

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

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

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-164C
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	2/5/2019

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

		w/o pres or current	with
.500(6)(a) Location and Landscape Support	The wetland is located adjacent to Interstate I-10 and a farm road. The wetland is part of a significant bottomland swamp to the north.	8	8
.500(6)(b)Water Environment (n/a for uplands)	The wetland is bottomland swamp. The hydrology has been impacted by the construction of I-10 to the south and the farm road to the north. The wetland is part of a large bottomland system to the north.	8	8
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes red maple, sweetbay, and loblolly bay. A low percentage of Japanese climbing fern was observed.	8	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.80	0.63

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

For impact assessment areas
FL = delta x acres = 0.17 x 0.879 = 0.149

Delta = [with-current]
0.17

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-164A/164B/164C
Impact or Mitigation	Assessment conducted by:	Assessment date:
Pole Location Impact	A. Wickman and N. Calhoun	2/5/2019

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

		w/o pres or current	with
.500(6)(a) Location and Landscape Support	The wetland is located adjacent to Interstate I-10 and a farm road. The wetland is part of a significant bottomland swamp to the north.	8	0
.500(6)(b)Water Environment (n/a for uplands)	The wetland is bottomland swamp. The hydrology has been impacted by the construction of I-10 to the south and the farm road to the north. The wetland is part of a large bottomland system to the north.	8	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes red maple, sweetbay, and loblolly bay. A low percentage of Japanese climbing fern was observed.	8	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.80	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-166

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10

Assessment area description

Depressional bottomland wetland

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals, wading birds, woodpeckers, resident songbirds, reptiles, and amphibians.	NA

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

White egret, deer, wild hogs, songbirds

Additional relevant factors:

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

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-166
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	2/5/2019

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

		w/o pres or current	with
.500(6)(a) Location and Landscape Support	The location of the wetland is adjacent to Interstate I-10, a coniferous plantation to the east and west, and a manmade waterbody and farm road to the north.	6	6
.500(6)(b)Water Environment (n/a for uplands)	The wetland is depressional bottomland with standing water. The hydrology has been impacted by the construction of I-10 to the south and a farm road to the north. The wetland is part of a large bottomland swamp to the north.	8	8
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes red maple, sweetbay, and water oak. Understory is titi with groundcover consisting of wetland sedges and grasses.	8	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.73	0.56

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

For impact assessment areas
FL = delta x acres = 0.17 x 0.635 = 0.108

Delta = [with-current]
0.17

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-166
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	A. Wickman and N. Calhoun	2/5/2019

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

.500(6)(a) Location and Landscape Support	w/o pres or current: 6	with: 0	The location of the wetland is adjacent to Interstate I-10, a coniferous plantation to the east and west, and a manmade waterbody and farm road to the north.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 8	with: 0	The wetland is depressional bottomland with standing water. The hydrology has been impacted by the construction of I-10 to the south and a farm road to the north. The wetland is part of a large bottomland swamp to the north.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 8	with: 0	Appropriate vegetation which includes red maple, sweetbay, and water oak. Understory is titi with groundcover consisting of wetland sedges and grasses.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.73	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-167

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

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

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Adjacent to I-10
Assessment area description Small, isolated titi swamp.

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

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

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

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

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-167
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	2/5/2019

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

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

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.57	0.47

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

For impact assessment areas
FL = delta x acres = 0.1 x 0.158 = 0.016

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
North Florida Resiliency Connection		W-EE-169

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 Alligator Creek-Aucilla River	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands	
Adjacent to I-10	
Assessment area description	
Depressional wetland	
Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10	Not unique
Functions	Mitigation for previous permit/other historic use
Water quality, water storage, wildlife habitat	NA
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, wading birds, woodpeckers, resident songbirds, and amphibians.	NA
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):	
Deer, pileated woodpecker, resident songbirds	
Additional relevant factors:	
Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/5/2019

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

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-169
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	2/5/2019

Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface 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 wetland is located adjacent to Interstate I-10 and a coniferous plantation.
.500(6)(b)Water Environment (n/a for uplands)	6	6	The wetland is depressional with standing water. The hydrology has been impacted by the construction of I-10 to the south and a farm road to the north.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	7	3	Appropriate vegetation which includes red maple and sweetbay with an understory of titi. Groundcover consists of wetland sedges and grasses.

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

Delta = [with-current]
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 = 0.13 x 0.719 = 0.093

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-170

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10 and county road

Assessment area description

Small depressional wetland

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

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

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/4/2019

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-170
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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	The wetland is located adjacent to Interstate I-10, a county road, improved pastures, and a low density residential community.	6	6
.500(6)(b)Water Environment (n/a for uplands)	The wetland is a small depressional wetland. The hydrology has been impacted by the construction of I-10 to the south and improved pastures/low density residential communities to the north.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes red maple, bald cypress and sweetbay. A low percentage of Japanese climbing fern was observed.	7	3

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 = 0.13 x 0.205 = 0.027

Delta = [with-current]
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-171

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10 and county road

Assessment area description

Small depressional wetland

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

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

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/4/2019

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-171
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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	6	6	The wetland is located adjacent to Interstate I-10, a county road, improved pastures and a low density residential community.
.500(6)(b)Water Environment (n/a for uplands)	6	6	The wetland is a small depressional wetland. The hydrology has been impacted by the construction of I-10 to the south and improved pastures/low density residential communities to the north.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	7	3	Appropriate vegetation which includes red maple, sweetbay, and loblolly bay. A low percentage of Japanese climbing fern was observed.

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

Delta = [with-current]
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 = 0.13 x 0.223 = 0.029

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-172

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10 and larger bay swamp

Assessment area description

Depressional bay swamp

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals (including bear and deer), wading birds, raptors, woodpeckers, reptiles and amphibians.	NA

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

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/4/2019

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-172
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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	The wetland is located adjacent to Interstate I-10, a county road, improved pastures, and a low density residential community.	6	6
.500(6)(b)Water Environment (n/a for uplands)	The wetland is a small, depressional wetland. The hydrology has been impacted by the construction of I-10 to the south and improved pastures/low density residential communities to the north.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes red maple, sweetbay, and loblolly bay. A low percentage of Japanese climbing fern was observed.	7	3

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 = 0.13 x 0.240 = 0.031

Delta = [with-current]
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-173

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10 and larger bay swamp to the north

Assessment area description

Herbaceous portion of a depressional bay swamp

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals (including bear and deer), wading birds, raptors, woodpeckers, reptiles and amphibians.	NA

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

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	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-173
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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	The wetland is located adjacent to Interstate I-10 and a farm road. The wetland is part of a significant bottomland swamp to the north.	7	7
.500(6)(b)Water Environment (n/a for uplands)	The hydrology has been impacted by the construction of I-10 to the south and the transection of a transmission line and right of way. The wetland is part of a large bottomland system to the north.	7	7
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate herbaceous vegetation was oberserved with the transmission right of way.	7	7

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.70	0.70

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-173
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	A. Wickman and N. Calhoun	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

.500(6)(a) Location and Landscape Support	w/o pres or current: 7	with: 0	The wetland is located adjacent to Interstate I-10 and a farm road. The wetland is part of a significant bottomland swamp to the north.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 7	with: 0	The wetland is bottomland swamp. The hydrology has been impacted by the construction of I-10 to the south and the transection of a transmission line and right of way. The wetland is part of a large bottomland system to the north.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 0	Appropriate vegetation which includes red maple, sweetbay, and loblolly bay. A low percentage of Japanese climbing fern was observed.Appropriate herbaceous vegetation was oberserved with the transmission right of way.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.70	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-173_1

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10 and larger bay swamp to the north

Assessment area description

Herbaceous portion of a depressional bay swamp

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals (including bear and deer), wading birds, raptors, woodpeckers, reptiles and amphibians.	NA

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

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/4/2019

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-173_1
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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

.500(6)(a) Location and Landscape Support w/o pres or current: 7 with: 7	The wetland is located adjacent to Interstate I-10 and a farm road. The wetland is part of a significant bottomland swamp to the north.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current: 7 with: 7	The hydrology has been impacted by the construction of I-10 to the south and the transection of a transmission line and right of way. The wetland is part of a large bottomland system to the north.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current: 7 with: 3	Appropriate herbaceous vegetation was oberserved with the transmission right of way.

Score = sum of above scores/30 (if uplands, divide by 20)	
current or w/o pres	with
0.70	0.57

Delta = [with-current]
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 = 0.13x0.403 = 0.052

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-173_3

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10 and larger bay swamp to the north

Assessment area description

Herbaceous portion of a depressional bay swamp

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals (including bear and deer), wading birds, raptors, woodpeckers, reptiles and amphibians.	NA

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

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	2/4/2019

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-173_3
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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	The wetland is located adjacent to Interstate I-10 and a farm road. The wetland is part of a significant bottomland swamp to the north.	7	7
.500(6)(b)Water Environment (n/a for uplands)	The hydrology has been impacted by the construction of I-10 to the south and the transection of a transmission line and right of way. The wetland is part of a large bottomland system to the north.	7	7
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate herbaceous vegetation was oberserved with the transmission right of way.	7	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.70	0.57

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

For impact assessment areas
FL = delta x acres = 0.13 x 0.323 = 0.042

Delta = [with-current]
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-175A

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

Bay swamp with Gordonia on edge - headwater. Lyonia lucida, Ilex coriacea shrubs with gordonia on upslope.

Assessment area description

Vegetation is typical of a bayhead - headwater to Aucilla River.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 DOT ROW	Bay swamp headwaters are unique ecologically and hydrologically.

Functions	Mitigation for previous permit/other historic use
Widlife, flood attenuation/storage. Filtering runoff from I-10	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.	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):
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-175A
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

.500(6)(a) Location and Landscape Support	w/o pres or current: 7	with: 7	With the exception of DOT ROW to the south, this wetland is high quality and typical of a bay head - seepage slope spp. Upland needs burning.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 7	with: 7	Head water - very valuable.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 8	with: 3	Bay swamp to the north - headwater with loblolly bay on slope south of bay swamp. Ilex coriaceae, lyonia licuda, no exotics. Typical native vegetation appropriate for area.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.73	0.56

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

For impact assessment areas
FL = delta x acres = 0.17 x 1.626 = 0.276

Delta = [with-current]
0.17

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-175A
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	With the exception of DOT ROW to the south, this wetland is high quality and typical of a bay head - seepage slope spp. Upland needs burning.	7	0
.500(6)(b)Water Environment (n/a for uplands)	Head water - very valuable.	7	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Bay swamp to the north - headwater with loblolly bay on slope south of bay swamp. Ilex coriaceae, lyonia licuda, no exotics. Typical native vegetation appropriate for area.	8	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.73	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-176

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)
	Class 3	None

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

Hydrologically connected to surrounding wetlands.

Assessment area description

Moderate sized inundated area with high proportion of titi. Adjacent to mixed upland hardwoods, transition zone apparent.

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

Functions	Mitigation for previous permit/other historic use
Likely holds/receives water due to soils and presence of certain plant spp.	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)
Amphibians, reptiles, raccoon, deer, mammals.	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):
Erik Oien	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-176
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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	Location likely impacted by runoff from I-10 as slope into low lying area is greater. Connects with larger wetland network to the north.	5	5
.500(6)(b)Water Environment (n/a for uplands)	Wetland is inundated and provides good habitat for mixed wetland plant spp. (titit swamp). Also provides good habitat for wildlife usage.	5	5
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Wetland has fringe habitat with transition into mixed upland hardwood. Good mix of plant spp. In both wet and up areas.	6	3

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

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

For impact assessment areas
FL = delta x acres = 0.1 x 0.734 = 0.073

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 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-176
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Erik Oien	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	Location likely impacted by runoff from I-10 as slope into low lying area is greater. Connects with larger wetland network to the north.	5	0
.500(6)(b)Water Environment (n/a for uplands)	Wetland is inundated and provides good habitat for mixed wetland plant spp. (titit swamp). Also provides good habitat for wildlife usage.	5	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Wetland has fringe habitat with transition into mixed upland hardwood. Good mix of plant spp. In both wet and up areas.	6	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-177A

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)
	Class 3	None

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

Hydrologically connected with wetlands to north, east and west.

Assessment area description

Floodplain' area around stream with FACW veg. Stream moderate quality.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 to south, connects via culvert.	Typical habitat in area.

Functions	Mitigation for previous permit/other historic use
Runoff from I-10. Stream functions as drainage/connection to surrounding wetlands.	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)
Amphibians, reptiles, 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):
Erik Oien	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-177A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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	Floodplain' area surrounding stream. Adjacent pine flatwood upland moderate community. Receives runoff via I-10 entering low/wet areas.	5	5
.500(6)(b)Water Environment (n/a for uplands)	Connects with larger NWI network to the north. Unnamed stream runs north/south.	5	5
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Adjacent pine flatwood community is natural habitat. Not very diverse within wetland, appears disturbed.	4	4

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

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-179

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

Connected to upland hardwoods (was pine FW before logging of mixed pines) with dominant saw palmetto.

Assessment area description

Gum swamp to the east.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 DOT ROW	Typical for the area, not unique. Wetland with ~3' deep water in center.

Functions	Mitigation for previous permit/other historic use
Water storage - water attenuation, filtering. Wildlife usage.	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, aligator, wading birds, amphibians, reptiles.	Center of wetland is without trees (about 25% of entire wetland with no trees).

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

None.

Additional relevant factors:

No exotic plant spp.

Assessment conducted by:	Assessment date(s):
Erik Oien	2/5/2019

Form 62-345.900(1), 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-179

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

Connected to upland hardwoods (was pine FW before logging of mixed pines) with dominant saw palmetto.

Assessment area description

Gum swamp to the east.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 DOT ROW	Typical for the area, not unique. Wetland with ~3' deep water in center.

Functions	Mitigation for previous permit/other historic use
Water storage - water attenuation, filtering. Wildlife usage.	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, aligator, wading birds, amphibians, reptiles.	Center of wetland is without trees (about 25% of entire wetland with no trees).

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

None.

Additional relevant factors:

No exotic plant spp.

Assessment conducted by:	Assessment date(s):
Erik Oien	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-179
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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

.500(6)(a) Location and Landscape Support	w/o pres or current: 6	with: 6	Mixed wetland hardwood next to upland mixed hardwoods (pine flatwoods with dense understory/shrub layer).
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 5	Clear water with some tannins from leaves.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 6	with: 3	No exotic plant spp. Moderate 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 = 0.1 x 0.523 = 0.052

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 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-179
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Erik Oien	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	Mixed wetland hardwood next to upland mixed hardwoods (pine flatwoods needing burning).	6	0
.500(6)(b)Water Environment (n/a for uplands)	Clear water with some tannic acid from leaves.	5	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	No exotic plant spp. Needs burning of adjacent upland.	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]

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-180A

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)
	Class 3	None

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

Connected to and includes Buggs Creek, next to mixed hardwood upland.

Assessment area description

Floodplain' of Buggs Creek. Dominated by OBL native ferns and FACW native bamboo (Arundinaria), canopy for sweet bay and swamp laurel oak.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 75' to south. Fence running eat/west along DOT ROW.	Typical for area/habitat.

Functions	Mitigation for previous permit/other historic use
Wildlife (impeeded by DOT fence), filtering of runoff and conveyence.	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):
Erik Oien	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-180A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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

.500(6)(a) Location and Landscape Support	w/o pres or current: 4	with: 4	Adjacent to tall fence and I-10 DOT ROW. Adjacent to upland mixed hardwood forest.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 5	Floodplain' area surrounding stream.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 6	with: 3	No exotics present. Good plant biodiversity for this community, especially adjacent upland mixed hardwood forest.

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

Delta = [with-current]
0.1

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 = 0.1 x 0.112 = 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-180B

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

Connected to and includes Buggs Creek, next to mixed hardwood upland.

Assessment area description

Floodplain' of Buggs Creek. Dominated by OBL native ferns and FACW native bamboo (Arundinaria), canopy for sweet bay and swamp laurel oak.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 75' to south. Fence running eat/west along DOT ROW.	Typical for area/habitat.

Functions	Mitigation for previous permit/other historic use
Wildlife (impeeded by DOT fence), filtering of runoff and conveyence.	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):
Erik Oien	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-180B
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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

.500(6)(a) Location and Landscape Support	w/o pres or current: 4	with: 4	Adjacent to tall fence and I-10 DOT ROW. Adjacent to upland mixed hardwood forest.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 5	Floodplain' area surrounding stream.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 6	with: 3	No exotics present. Good plant biodiversity for this community, especially adjacent upland mixed hardwood forest.

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

Delta = [with-current]
0.1

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 = 0.1 x 0.078 = 0.008

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-182

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)
	Class 3	None

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

Connected to and includes Buggs Creek, next to mixed hardwood upland.

Assessment area description

Floodplain' of Buggs Creek. Dominated by OBL native ferns and FACW native bamboo (Arundinaria), canopy for sweet bay and swamp laurel oak.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 75' to south. Fence running eat/west along DOT ROW.	Typical for area/habitat.

Functions	Mitigation for previous permit/other historic use
Wildlife (impeeded by DOT fence), filtering of runoff and conveyence.	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):
Erik Oien	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-182
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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

.500(6)(a) Location and Landscape Support	w/o pres or current: 4	with: 4	Adjacent to tall fence and I-10 DOT ROW. Adjacent to upland mixed hardwood forest.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 5	Floodplain' area surrounding stream.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 6	with: 3	No exotics present. Good plant biodiversity for this community, especially adjacent upland mixed hardwood forest.

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

Delta = [with-current]
0.1

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 = 0.1 x 0.165 = 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-184A

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)
	Class 3	None

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

Mixed upland intersects wetland. Connected with larger wetland complex to the west and north.

Assessment area description

Inundated area with FACW and OBL spp. Stream running norrth/south.

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

Functions	Mitigation for previous permit/other historic use
Drainage and runoff. Moderate/high potential for wildlife usage.	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)
Birds, fish, amphibians, raccoon, deer.	None

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

Fish, amphibians.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Erik Oien	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-184A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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	North of DOT ROW - receives drainage. Adjacent/connected to large wetland complex to west/north. Also adjacent to mixed hardwood upland.	6	6
.500(6)(b)Water Environment (n/a for uplands)	Adjacent stream flows south. North portion of wetland inundated 6-8". Water clarity good. Moderate/high potential for wildlife usage.	5	5
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Good plant diversity - native bamboo, swamp laurel oak, sweetgum. Upland mixed hardwood with some pine adjacent. No exotics present. Moderate/high tree canopy cover.	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]
0.07

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 0.405 = 0.028

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-184A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Erik Oien	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: 6	with: 0	North of DOT ROW - receives drainage. Adjacent/connected to large wetland complex to west/north. Also adjacent to mixed hardwood upland.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 0	Stream S-T02-002 flows south. North portion of wetland inundated 6-8". Water clarity good. Moderate/high potential for wildlife usage.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 6	with: 0	Good plant diversity - native bamboo, swamp laurel oak, sweetgum. Upland mixed hardwood with some pine adjacent. No exotics present. Moderate/high tree canopy cover.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.56	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-184B

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)
	Class 3	None

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

Mixed upland intersects wetland. Connected with larger wetland complex to the west and north.

Assessment area description

Inundated area with FACW and OBL spp. Stream running norrth/south.

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

Functions	Mitigation for previous permit/other historic use
Drainage and runoff. Moderate/high potential for wildlife usage.	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)
Birds, fish, amphibians, raccoon, deer.	None

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

Fish, amphibians.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Erik Oien	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-184B
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	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: 6	with: 6	North of DOT ROW - receives drainage. Adjacent/connected to large wetland complex to west/north. Also adjacent to mixed hardwood upland.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 5	Adjacent stream flows south. North portion of wetland inundated 6-8". Water clarity good. Moderate/high potential for wildlife usage.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 5	with: 3	Good plant diversity - native bamboo, swamp laurel oak, sweetgum. Upland mixed hardwood with some pine adjacent. No exotics present. Moderate/high tree canopy cover.

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 = 0.07 x 0.352 = 0.025

Delta = [with-current]
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-187

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)
	Class 3	None

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

W-EE-187 likely hydrolocial connection with W-EE-184A.

Assessment area description

Area north of sloped (30%) DOT ROW. Moderate plant diversity - gum swamp. 6" surface water. Moderate to high potential for wildlife usage.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 DOT ROW/deer fence.	Typical for N Florida.

Functions	Mitigation for previous permit/other historic use
Drainage from I-10. Potential wildlife usage.	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.	None

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

None.

Additional relevant factors:

W-EE-187 divided from W-EE-184A by berm/road.

Assessment conducted by:	Assessment date(s):
Erik Oien	2/1/2019

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-187
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Erik Oien	2/1/2019

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	Adjacent to sloped (30%) DOT ROW. 6' observed water, receives significant runoff and drainage.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 6	with: 6	Open water areas - 6' water. Likely seasonal fluctuations. Slightly turbid, no films observed.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 6	with: 3	Gum swamp, including Acer rubrum and Nyssa sylvatica biflora.

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

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

For impact assessment areas
FL= delta x acres = 0.1 x 0.409 = 0.041

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 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-187
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Erik Oien	2/1/2019

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	0	Adjacent to sloped (30%) DOT ROW. 6' observed water, receives significant runoff and drainage.
.500(6)(b)Water Environment (n/a for uplands)	6	0	Open water areas - 6' water. Likely seasonal fluctuations. Slightly turbid, no films observed.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	6	0	Gum swamp, including Acer rubrum and Nyssa sylvatica biflora.

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-191A

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 Alligator Creek-Aucilla River	3	

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

Flowing creek that connects to offsite drainage ways and wetlands.

Assessment area description

The wetland is a flowing stream and associated hardwood wetlands.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10	Clear, alluvial stream with bottomland hardwoods.

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals (including bear and deer), wading birds, raptors, woodpeckers, reptiles and amphibians.	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.):
Numerous songbirds, raptors and woodpeckers. Mammals include white-tailed deer and gray squirrel. Several species of frogs.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
E and E and FELSI	1/31/2019

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-191A
Impact or Mitigation	Assessment conducted by:	Assessment date:
	E and E and FELSI	1/31/2019

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: 6	The wetland is located adjacent to a county road, Interstate I-10, coniferous plantations and agricultural cropland. The wetland is connected to a larger wetland community to the north and south, providing a connection of wetland habitat and green space.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 7	with: 7	Clear, flowing stream with sandy substrate provides hydrology to the wetland communities to the north. Channel is diverted through two large box culverts under county road.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 3	Appropriate vegetation which includes sweetbay, red maple, blackgum, with wetland sedges and grasses. A low percentage of Japanese climbing fern was observed. Stream provides excellent foraging and nursery resources for benthic species.

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

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

For impact assessment areas
FL = delta x acres = 0.14 x 0.038 = 0.005

Delta = [with-current]
0.14

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-191A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	E and E and FELSI	1/31/2019

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 is located adjacent to a county road, Interstate I-10, coniferous plantations and agricultural cropland. The wetland is connected to a larger wetland community to the north and south, providing a connection of wetland habitat and green space.	6	0
.500(6)(b)Water Environment (n/a for uplands)	Clear, flowing stream with sandy substrate provides hydrology to the wetland communities to the north. Channel is diverted through two large box culverts under county road.	7	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes sweetbay, red maple, blackgum, with wetland sedges and grasses. A low percentage of Japanese climbing fern was observed. Stream provides excellent foraging and nursery resources for benthic species.	7	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.67	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-191B

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 Alligator Creek-Aucilla River	3	

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

Flowing creek that connects to offsite drainage ways and wetlands.

Assessment area description

The wetland is a flowing stream and associated hardwood wetlands.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10	Clear, alluvial stream with bottomland hardwoods.

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals (including bear and deer), wading birds, raptors, woodpeckers, reptiles and amphibians.	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.):
Numerous songbirds, raptors and woodpeckers. Mammals include white-tailed deer and gray squirrel. Several species of frogs.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
E and E and FELSI	1/31/2019

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-191B
Impact or Mitigation	Assessment conducted by:	Assessment date:
	E and E and FELSI	1/31/2019

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: 6	The wetland is located adjacent to a county road, Interstate I-10, coniferous plantations and agricultural cropland. The wetland is connected to a larger wetland community to the north and south, providing a connection of wetland habitat and green space.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 7	with: 7	Clear, flowing stream with sandy substrate provides hydrology to the wetland communities to the north. Channel is diverted through two large box culverts under county road.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 3	Appropriate vegetation which includes sweetbay, red maple, blackgum, with wetland sedges and grasses. A low percentage of Japanese climbing fern was observed. Stream provides excellent foraging and nursery resources for benthic species.

Score = sum of above scores/30 (if uplands, divide by 20)	
current or w/o pres	with
0.67	0.54

Delta = [with-current]
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 = 0.13 x 0.007 = 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-191C

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 Alligator Creek-Aucilla River	3	

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

Flowing creek that connects to offsite drainage ways and wetlands.

Assessment area description

The wetland is a flowing stream and associated hardwood wetlands.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10	Clear, alluvial stream with bottomland hardwoods.

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for mammals (including bear and deer), wading birds, raptors, woodpeckers, reptiles and amphibians.	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.):
Numerous songbirds, raptors and woodpeckers. Mammals include white-tailed deer and gray squirrel. Several species of frogs.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
E and E and FELSI	1/31/2019

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-191C
Impact or Mitigation	Assessment conducted by:	Assessment date:
	E and E and FELSI	1/31/2019

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: 6	The wetland is located adjacent to a county road, Interstate I-10, coniferous plantations and agricultural cropland. The wetland is connected to a larger wetland community to the north and south, providing a connection of wetland habitat and green space.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 7	with: 7	Clear, flowing stream with sandy substrate provides hydrology to the wetland communities to the north. Channel is diverted through two large box culverts under county road.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 3	Appropriate vegetation which includes sweetbay, red maple, blackgum, with wetland sedges and grasses. A low percentage of Japanese climbing fern was observed. Stream provides excellent foraging and nursery resources for benthic species.

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

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

For impact assessment areas
FL = delta x acres = 0.14 x 0.007 = 0.001

Delta = [with-current]
0.14

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-195A

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 Alligator Creek-Aucilla River	Class 3	None

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

Connecting to stream T01-001 and neighboring wetland

Assessment area description

Shrub swamp grading into hardwood swamp. Bordered by roads to South and West. Interstate I-10 with deer fence to south.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
FDOT ROW. I-10	Typical to N. Fl area

Functions	Mitigation for previous permit/other historic use
Wildlife. Flood control (depression). Filters runoff.	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)
Racoon, deer, birds. Usual wildlife- not T&E spp.	None. No open canopy for wood stork.

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

Frog, spiders, wildlife burrow near stream, tadpoles.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Team 1	2/1/2019

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-195A
Impact or Mitigation	Assessment conducted by:	Assessment date: 2/1/2019

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	Neighboring wetland, not isolated. Significant wildlife barriers due to I-10, fence to south and Hwy 19 to north.
.500(6)(b)Water Environment (n/a for uplands)	5	5	Connecting to neighboring stream and adjacent wetland.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	4	4	Liquidambar styracifluca (~3" in dbh) saplings. Buttonbush, sambucus nigra, arundinaria tecta, carex spp. (wet), Thelypteris kunthii, chasmanthium in 'floodplain'

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 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-197

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

Uplands surround on 3 sides- this is a borrow area

Assessment area description

Excavated 3-4 feet down, open-ended to the north, loblolly and spruce pine with water oak dominant

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

Functions	Mitigation for previous permit/other historic use
Water storage	N/A

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Typical mammals, birds and reptiles	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:

Assessment conducted by:	Assessment date(s):
Elva Peppers	2/1/2019

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-197
Impact or Mitigation	Assessment conducted by:	Assessment date: 2/1/2019

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	By I-10 onramp within uplands
.500(6)(b)Water Environment (n/a for uplands)	3	3	This is only wet because it is excavated to the water table
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	5	3	Normal trees are present not much diversity , some exotics in the area

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

Delta = [with-current]
0.07

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

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

For impact assessment areas
FL = delta x acres = 0.07 x0.043 = 0.003

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-198

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)

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

Adjacent to I-10, associated with stream/drain

Assessment area description

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

Functions	Mitigation for previous permit/other historic use
Storage, treatment	

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)

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

Suspected beaver pond in area, red tailed hawk observed in area

Additional relevant factors:

Some exotics, apparent beaver pond, appers to have been excavated

Assessment conducted by:	Assessment date(s):
Elva Peppers	2/1/2019

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-198
Impact or Mitigation	Assessment conducted by:	Assessment date: 2/1/2019

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	Uplands adjacent are cutover planted pine, regenerating with volunteers
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 4	with: 4	Abnormal conditions with beaver activity causing death of trees. Runoff from highway and adjacent field/ pine uses
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 5	with: 3	Forested wetland/ stream species being replaced by open water and emergent species

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.46	0.43

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

For impact assessment areas
FL= delta x acres = 0.03 x 1.404 = 0.042

Delta = [with-current]
0.03

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

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

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

PART 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-198
Impact or Mitigation	Assessment conducted by:	Assessment date:
Pole Location Impact		2/1/2019

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	Uplands adjacent are cutover planted pine, regenerating with volunteers
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 4	with: 0	Abnormal conditions with beaver activity causing death of trees. Runoff from highway and adjacent field/ pine uses
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 5	with: 0	Forested wetland/ stream species being replaced by open water and emergent species

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.46	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-198A

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)

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

Very tiny drain associated with culvert under I-10

Assessment area description

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

Functions	Mitigation for previous permit/other historic use
Water conveyance	

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)
none	

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

None

Additional relevant factors:

This drainage flows from culvert under I-10 to small wetland depression in cow field

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

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-198A
Impact or Mitigation	Assessment conducted by:	Assessment date: 2/2/2019

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	Adjacent to I-10 and within a cattle pasture.
.500(6)(b)Water Environment (n/a for uplands)	3	3	Intermittent, culvert drain
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	2	1	Little vegetation and diversity, heavily impacted by cattle.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.3	0.26

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

For impact assessment areas
FL= delta x acres = 0.04 x 0.017 = 0.001

Delta = [with-current]
0.04

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-199B/199C

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

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

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

This area should be forested hardwood wetland but maintained as herbaceous wetland.

Assessment area description

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10, cow pasture, dam immediately downstream	Not unique

Functions	Mitigation for previous permit/other historic use
Water conveyance	

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)
N/A	

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

N/A

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Elva Peppers	2/1/2019

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-199B/199C
Impact or Mitigation	Assessment conducted by:	Assessment date: 2/1/2019

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	Located adjacent to I-10 within a cow pasture. Heavily impacted by cattle.
.500(6)(b)Water Environment (n/a for uplands)	2	2	Minimal hydroperiod, heavily impacted by cattle.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	2	2	Minimal vegetation and low diversity. Heavily impacted by cattle.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.23	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-200A

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		

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

Adjacent to I-10; This is a cleared portion of the forested wetland associated with the creek.

Assessment area description

Emergent wetland which is very wet and part of the cattle field.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 and 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)
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	2/1/2019

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-200A
Impact or Mitigation	Assessment conducted by:	Assessment date:
	Elva Peppers	2/1/2019

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 a forested wetland on one side.	3	3
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is severely altered by clearing, the adjacent dam and culvert and adjacent road uses .	3	3
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	There is no canopy, this should be a forested wetland. The vegetation are wetland species, but strictly emergent.	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 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-200A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Elva Peppers	2/1/2019

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 a forested wetland on one side.	3	0
.500(6)(b)Water Environment (n/a for uplands)	The hydroperiod of this wetland is severely altered by clearing, the adjacent dam and culvert and adjacent road uses .	3	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	There is no canopy, this should be a forested wetland. The vegetation are wetland species, but strictly emergent.	3	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.3	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-202

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 Aucilla River-Apalachee Bay	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Adjacent to county road, wet roadside ditch with culvert
Assessment area description The depressional wetland has been timbered and is regenerating with wetland trees and shrubs

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
Roadside runoff storage	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)
Low potential for wildlife habitat	NA

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

Assessment conducted by:	Assessment date(s):
A Wickman and D. Pickett	2/11/2019

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-202
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and D. Pickett	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	Roadside wetland ditch	3	3
.500(6)(b)Water Environment (n/a for uplands)	Roadside wetland ditch provides water storage for stormwater runoff.	3	3
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Wetland ditch is vegetated with wetland sedges and grasses. Bahia grass is also within the ditch.	3	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.30	0.30

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-203

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 Lloyds Creek	3	

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

Adjacent to county road. Hydrologically connected adjacent bottomland to the south.

Assessment area description

The depressional hardwood wetland is surrounded by low density residential areas.

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, resident songbirds, reptiles, wading birds and amphibians.	

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

Beaver

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
A Wickman and N Calhoun	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-203
Impact or Mitigation	Assessment conducted by:	Assessment date:
	A. Wickman and N. Calhoun	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 is located adjacent to a county road and south of a large livestock pasture. The wetland is hydrologically connected to the hardwood wetlands to the north.	7	7
.500(6)(b)Water Environment (n/a for uplands)	The wetland flows through two 4ft. corrugated culverts beneath the county road. Beaver activity has dammed the flow just upstream from the culverts. This is causing the wetland to pond. Historical aerials depict the area began ponding in 2017.	7	7
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes red maple, swamp chestnut oak, blackgum and bald cypress. Understory and groundcover includes buttonbush, sweet gallberry, and wetland sedges, ferns and grasses. A small amount of coral ardisia and Japanese climbing fern was observed.	7	3

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.70	0.57

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

For impact assessment areas
FL = delta x acres = 0.13 x 0.456 = 0.059

Delta = [with-current]
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-203
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	A. Wickman and N. Calhoun	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: 7	with: 0	The wetland is located adjacent to a county road and south of a large livestock pasture. The wetland is hydrologically connected to the hardwood wetlands to the north.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 7	with: 0	The wetland flows through two 4ft. corrugated culverts beneath the county road. Beaver activity has dammed the flow just upstream from the culverts. This is causing the wetland to pond. Historical aerials depict the area began ponding in 2017.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 0	Appropriate vegetation which includes red maple, swamp chestnut oak, blackgum and bald cypress. Understory and groundcover includes buttonbush, sweet gallberry, and wetland sedges, ferns and grasses. A small amount of coral ardisia and Japanese climbing fern was observed.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.70	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-207A

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

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

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

This wetland is associated with "Cooksey Branch".

Assessment area description

Concave bay swamp wetland associated with "Cooksey Branch".

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Highway on west side bisects the wetland. Culverts convey water to adjacent wetland on west side. Agricultural fields border the wetlands north and south sides.	This wetland is of decent size and is associated with "Cooksey Branch".
Functions	Mitigation for previous permit/other historic use
Water quality, water storage, and wildlife habitat	N/A
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Various mammals, amphibians, fish, birds, reptiles.	

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

Various animal signs observed. Red-shouldered hawks observed near wetland. Beaver activity observed.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Joshua L. Bell	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-207A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Joshua L. Bell	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	5	5	Wetland is bisected by highway on its west side. Water from associated "Cooksey Branch" is conveyed through culverts on its west side, altering its natural hydrology. Agricultural fields border the wetland on its north and south sides.
.500(6)(b)Water Environment (n/a for uplands)	7	7	5-10 foot wide flowing tannic creek with sandy bottom. Beaver activity observed.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	7	3	Appropriate vegetation for this area. Fish and crayfish observed.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.63	0.50

Delta = [with-current]
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 = 0.13 x 0.051 = 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 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-207A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Joshua L. Bell	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	Wetland is bisected by highway on its west side. Water from associated "Cooksey Branch" is conveyed through culverts on its west side, altering its natural hydrology. Agricultural fields border the wetland on its north and south sides.	5	0
.500(6)(b)Water Environment (n/a for uplands)	5-10 foot wide flowing tannic creek with sandy bottom. Beaver activity observed.	7	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation for this area. Fish and crayfish observed.	7	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.63	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
North Florida Resiliency Connection		W-EE-207B

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

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

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

This wetland is associated with "Cooksey Branch".

Assessment area description

Concave bay swamp wetland associated with "Cooksey Branch".

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Highway on west side bisects the wetland. Culverts convey water to adjacent wetland on west side. Agricultural fields border the wetlands north and south sides.	This wetland is of decent size and is associated with "Cooksey Branch".
Functions	Mitigation for previous permit/other historic use
Water quality, water storage, and wildlife habitat	N/A
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Various mammals, amphibians, fish, birds, reptiles.	

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

Various animal signs observed. Red-shouldered hawks observed near wetland. Beaver activity observed.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Joshua L. Bell	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-207B
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Joshua L. Bell	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	5	5	Wetland is bisected by highway on its west side. Water from associated "Cooksey Branch" is conveyed through culverts on its west side, altering its natural hydrology. Agricultural fields border the wetland on its north and south sides.
.500(6)(b)Water Environment (n/a for uplands)	7	7	5-10 foot wide flowing tannic creek with sandy bottom. Beaver activity observed.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	7	3	Appropriate vegetation for this area. Fish and crayfish observed.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.63	0.50

Delta = [with-current]
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 = 0.13 x 0.122 = 0.016

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-209

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

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

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

This wetland is associated with "Lang Branch".

Assessment area description

Concave wetland with nice magnolia-beech sloping forests on its north and south sides. The wetland has a braided stream with no defined boundaries until it reaches the highway on its west side where the stream then flows through inlets and westward to the adjacent wetland.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Highway on west side bisects the wetland. Culverts convey water to adjacent wetland on west side.	This wetland is of decent size with sloping magnolia-beech forests on its north and south sides. The wetland is associated with "Lang Branch".

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Various mammals, amphibians, fish, birds, reptiles.	

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

Various animal signs observed. Wood ducks observed near wetland and Trillium underwoodii observed on adjacent sloped forests.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Joshua L. Bell	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-209
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact	Joshua L. Bell	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	7	7	Wetland is bisected by highway on its west side. Water from associated "Lang Branch" is conveyed through culverts on its west side.
.500(6)(b)Water Environment (n/a for uplands)	8	8	Flowing braided streams meander through this wetland. The canopy is opened enough to potentially be woodstork foraging habitat. Small fish were observed in deeper pools.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	8	3	Appropriate vegetation for this area. Sloping beech-magnolia forests on the north and south sides of this wetland contribute to the habitat diversity. Trillium underwoodii observed on the slopes and wood duck and various songbirds were observed throughout the wetland.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.77	0.60

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

For impact assessment areas
FL = delta x acres = 0.17 x 0.139 = 0.023

Delta = [with-current]
0.17

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-211

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

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

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

This wetland is associated with "Lang Branch".

Assessment area description

Concave wetland with nice magnolia-beech sloping forests on its north and south sides. The wetland has a braided stream with no defined boundaries until it reaches the highway on its west side where the stream then flows through inlets and westward to the adjacent wetland.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Highway on west side bisects the wetland. Culverts convey water to adjacent wetland on west side.	This wetland is of decent size with sloping magnolia-beech forests on its north and south sides. The wetland is associated with "Lang Branch".

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Various mammals, amphibians, fish, birds, reptiles.	

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

Various animal signs observed. Wood ducks observed near wetland and Trillium underwoodii observed on adjacent sloped forests.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
Joshua L. Bell	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-211
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Joshua L. Bell	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: 7	with: 7	Wetland is bisected by highway on its west side. Water from associated "Lang Branch" is conveyed through culverts on its west side.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 8	with: 8	Flowing braided streams meander through this wetland. The canopy is opened enough to potentially be woodstork foraging habitat. Small fish were observed in deeper pools.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 8	with: 3	Appropriate vegetation for this area. Sloping beech-magnolia forests on the north and south sides of this wetland contribute to the habitat diversity. Trillium underwoodii observed on the slopes and wood duck and various songbirds were observed throughout the wetland.

Score = sum of above scores/30 (if uplands, divide by 20)	
current or w/o pres: 0.77	with: 0.60

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

For impact assessment areas
FL = delta x acres = 0.17 x 0.06 = 0.01

Delta = [with-current]
0.17

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-211
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Pole Location Impact	Joshua L. Bell	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	Wetland is bisected by highway on its west side. Water from associated "Lang Branch" is conveyed through culverts on its west side.	7	0
.500(6)(b)Water Environment (n/a for uplands)	Flowing braided streams meander through this wetland. The canopy is opened enough to potentially be woodstork foraging habitat. Small fish were observed in deeper pools.	8	0
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation for this area. Sloping beech-magnolia forests on the north and south sides of this wetland contribute to the habitat diversity. Trillium underwoodii observed on the slopes and wood duck and various songbirds were observed throughout the wetland.	8	0

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.77	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
North Florida Resiliency Connection		W-EE-212

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

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

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

Assessment area description

Isolated concave wetland that is very nice.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Adjacent to highway and single family residences.	

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Typical mammals, amphibians, birds, reptiles.	N/A

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):
Joshua L. Bell	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-212
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	Joshua L. Bell	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	7	7	Adjacent to highway and single family residences (wooded lots).
.500(6)(b)Water Environment (n/a for uplands)	7	7	Appears to hold surface water long enough to support most wildlife habitat. However it does not appear to support fish.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	7	3	Appropriate vegetation for this location.

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.70	0.57

Delta = [with-current]
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 = 0.13 x 0.015 = 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+A1:Y51A23A1:Y32A1:Y59A23A1:Y32A1:Y51
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
NRFC FGT Corridor Alignment		W-ECT-N-216C_2 (W-RM-110)

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

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

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

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

Assessment area description

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

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

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

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

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

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

Additional relevant factors:

Caney Branch continues south to where it joins Wacissa River.

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

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
NRFC FGT Corridor Alignment		W-ECT-N-216C_2 (W-RM-110)
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	T.Callahan, R. Mcloughlin ECT Inc.	5/21/2019

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

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres: 0.8	with: 063

Delta = [with-current]
-0.17

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

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

For impact assessment areas
FL = 0.17 x 0.277 = 0.047

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+A1:Y51A23A1:Y32A1:Y59A23A1:Y32A1:Y51
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
NRFC FGT Corridor Alignment		W-ECT-N-216C_3 (W-RM-110)

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

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

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

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

Assessment area description

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

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

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

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

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

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

Additional relevant factors:

Caney Branch continues south to where it joins Wacissa River.

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

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
NRFC FGT Corridor Alignment		W-ECT-N-216C_3 (W-RM-110)
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	T.Callahan, R. Mcloughlin ECT Inc.	5/21/2019

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

Score = sum of above scores/30 (if uplands, divide by 20)	
current or w/o pres	with
0.8	063

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

For impact assessment areas
FL = 0.17 x 0.433 = 0.073

Delta = [with-current]
-0.17

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+A1:Y51A23A1:Y32A1:Y59A23A1:Y32A1:Y51
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
NRFC FGT Corridor Alignment		W-ECT-N-216D_3 (W-RM-110)

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

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

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

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

Assessment area description

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

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

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

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

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

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

Additional relevant factors:

Caney Branch continues south to where it joins Wacissa River.

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

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
NRFC FGT Corridor Alignment		W-ECT-N-216D_3 (W-RM-110)
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	T.Callahan, R. Mcloughlin ECT Inc.	5/21/2019

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

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres: 0.8	with: 063

Delta = [with-current]
-0.17

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

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

For impact assessment areas
FL = 0.17 x 0.378 = 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+A1:Y51A23A1:Y32A1:Y59A23A1:Y32A1:Y51
(See Section 62-345.400, F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
NRFC FGT Corridor Alignment		W-ECT-N-216F (W-RM-110)

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

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

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

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

Assessment area description

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

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

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

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

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

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

Additional relevant factors:

Caney Branch continues south to where it joins Wacissa River.

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

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
NRFC FGT Corridor Alignment		W-ECT-N-216F (W-RM-110)
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	T.Callahan, R. Mcloughlin ECT Inc.	5/21/2019

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

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.8	063

Delta = [with-current]
-0.17

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

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

For impact assessment areas
FL = 0.17 x 0.855 = 0.145

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
NRFC FGT Corridor Alignment		W-ECT-N-216G_2 (W-RM-110)

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

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

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

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

Assessment area description

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

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

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

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

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

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

Additional relevant factors:

Caney Branch continues south to where it joins Wacissa River.

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

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
NRFC FGT Corridor Alignment		W-ECT-N-216G_2 (W-RM-110)
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	T.Callahan, R. Mcloughlin ECT Inc.	5/21/2019

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

Score = sum of above scores/30 (if uplands, divide by 20)	
current or w/o pres	with
0.8	063

Delta = [with-current]
-0.17

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

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

For impact assessment areas
FL = 0.17 x 1.925 = 0.327

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 FGT Corridor Alignment		W-ECT-N-222_3 (W-SRF-147)

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)
Limestone Creek / 50500000		

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

The AA is a hardwood dominated forested wetland system that crosses the FGT corridor. It is isolated to the east due to Upper Cody North Road, but is hydrologically connected to a wetland system continuing south beyond the SA. To the west of the isolated system is an active squatters camp with multiple trailers and trucks. Residential properties border the north and south of the AA.

Assessment area description

This forested wetland is fragmented and disturbed. The hardwood forested area next to Upper Cody North exhibits presence of exotics and the FGT corridor had been cleared and maintained to a herbaceous state. The system is likely affected by the presence of the squatter and the pollution associated with he camp.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
None	Not Unique

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
MAMMALS: 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-shouldered hawk; REPTILES: green anole, chicken & box turtles, five-lined skink, ring-neck snake, gray rat snake, eastern king snake, water moccasin, alligator; AMPHIBIANS: cricket frog, marbled, mole, three-lined, slimy and southern dusky salamanders.	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.):

None

Additional relevant factors:

None

Assessment conducted by:	Assessment date(s):
T.Callahan, R. Mcloughlin ECT Inc.	5/23/2019

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
NFRC FGT Corridor Alignment		W-ECT-N-222_3 (W-SRF-147)
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	T.Callahan, R. Mcloughlin ECT Inc.	5/23/2019

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

The AA is a forested isolated depression that continues south beyond the survey area. The AA is bordered to the northeast by Upper Cody North, which is a paved residential road. To the southeast of the AA there is a small pond WB-SRF-146 that is part of a maintained residential lawn. To the west there is a large active squatters camp and a residential property. The AA has many surrounding barriers and deterrents for wildlife access and does not provide significant support for many wildlife species. Although the wetland continues beyond the survey area, downstream habitats derive minimal benefit from discharges.

.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 5	with: 5

Distinct hydrologic indicators present (Saturation, stained leaves, water marks, muck presence).Water levels are appropriate and consistent within the heart of the wetlands while the perimeter remains saturated. There are several possible contributors to water quality degradation such as surrounding roads and residential properties. Aquatic species utilization is greatly reduced and plant community composition is indicative of water quality degradation.

.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 6	with: 3

The north and south regions of the wetland are primarily hardwood dominated forested areas (Liquidambar, Acer), with a moderately dense shrub layer (Lyonia, Clethra) and a dense fern groundcover. The AA becomes herbaceous as it crosses the FGT corridor. There is a moderate presence of exotic invasive species and the general species composition is less than optimal. Regeneration and recruitment int he forested area appears near normal and plant condition is generally good. Conversion to herbaceous will remove structural habitat, but promote understory species.

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

Delta = [with-current]
-0.1

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

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

For impact assessment areas
FL = 0.1 x 0.178 = 0.018

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

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
NFRC FGT Corridor Alignment		W-ECT-N-224_1 (W-SRF-149)

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)
Limestone Creek / 50500000		

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

The AA is a hardwood dominated forested wetland system that crosses the FGT corridor. It is isolated to the east due to Residential properties, but is hydrologically connected to a wetland system continuing north and south beyond the SA. To the west of the AA is an active pine plantation.

Assessment area description

The AA is hardwood dominated with adequate vegetation in each strata. It is a dense forested wetland that is part of a larger system continuing beyond the SA. Surrounded by planted pine the AA is relatively protected from encroaching development.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
None	Not Unique

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
MAMMALS: 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-shouldered hawk; REPTILES: green anole, chicken & box turtles, five-lined skink, ring-neck snake, gray rat snake, eastern king snake, water moccasin, alligator; AMPHIBIANS: cricket frog, marbled, mole, three-lined, slimy and southern dusky salamanders.	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.):

None

Additional relevant factors:

None

Assessment conducted by:	Assessment date(s):
T.Callahan, R. Mcloughlin ECT Inc.	5/23/2019

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
NFRC FGT Corridor Alignment		W-ECT-N-224_1 (W-SRF-149)
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	T.Callahan, R. Mcloughlin ECT Inc.	5/23/2019

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: 6	The AA is a large forested system that continues north and south beyond the survey area. The AA is bordered on all sides by active planted pine plantations. There is also a small hunting camp building to the south. The dirt road leading to the hunting camp dissects the wetland creating a partial barrier for wildlife utilization. The AA is mostly surrounded by undeveloped uplands making it optimal support for many wildlife species.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current: 6 — with: 6	Distinct hydrologic indicators present (Saturation, stained leaves, water marks, muck presence). Water levels are appropriate and consistent within the heart of the wetlands while the perimeter remains saturated. The main possible contributor to water quality degradation is harvesting/planting of the pine plantation. Although the wetland is dissected by a dirt road, a culvert allows channelized flow to pass between section A and B. Aquatic wildlife utilization is less than expected likely due to channelization and diverted flow from the dirt road and FGT corridor.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current: 6 — with: 3	The north and south regions of the wetland are primarily hardwood dominated forested areas (Nyssa), with a moderately dense shrub layer (titi) and a dense diverse groundcover. The AA becomes herbaceous as it crosses the FGT corridor. There is a moderate presence of exotic invasive species and the general species composition is less than optimal. Regeneration and recruitment int he forested area appears near normal and plant condition is generally good. Conversion to herbaceous will remove structural habitat, but promote understory species.

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

Delta = [with-current]
-0.1

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

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

For impact assessment areas
FL = 0.1 x 0.412= 0.041

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 FGT Corridor Alignment		W-ECT-N-**225_3** (W-SRF-149)

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)
Limestone Creek / 50500000		

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

The AA is a hardwood dominated forested wetland system that crosses the FGT corridor. It is isolated to the east due to Residential properties, but is hydrologically connected to a wetland system continuing north and south beyond the SA. To the west of the AA is an active pine plantation.

Assessment area description

The AA is hardwood dominated with adequate vegetation in each strata. It is a dense forested wetland that is part of a larger system continuing beyond the SA. Surrounded by planted pine the AA is relatively protected from encroaching development.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
None	Not Unique

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
MAMMALS: 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-shouldered hawk; REPTILES: green anole, chicken & box turtles, five-lined skink, ring-neck snake, gray rat snake, eastern king snake, water moccasin, alligator; AMPHIBIANS: cricket frog, marbled, mole, three-lined, slimy and southern dusky salamanders.	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.):

None

Additional relevant factors:

None

Assessment conducted by:	Assessment date(s):
T.Callahan, R. Mcloughlin ECT Inc.	5/23/2019

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
NFRC FGT Corridor Alignment		W-ECT-N-225_3 (W-SRF-149)
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	T.Callahan, R. Mcloughlin ECT Inc.	5/23/2019

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	The AA is a large forested system that continues north and south beyond the survey area. The AA is bordered on all sides by active planted pine plantations. There is also a small hunting camp building to the south. The dirt road leading to the hunting camp dissects the wetland creating a partial barrier for wildlife utilization. The AA is mostly surrounded by undeveloped uplands making it optimal support for many wildlife species.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current: 5 — with: 5	Distinct hydrologic indicators present (Saturation, stained leaves, water marks, muck presence). Water levels are appropriate and consistent within the heart of the wetlands while the perimeter remains saturated. The main possible contributor to water quality degradation is harvesting/planting of the pine plantation. Although the wetland is dissected by a dirt road, a culvert allows channelized flow to pass between section A and B. Aquatic wildlife utilization is less than expected likely due to channelization and diverted flow from the dirt road and FGT corridor.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current: 6 — with: 5	The north and south regions of the wetland are primarily hardwood dominated forested areas (Nyssa), with a moderately dense shrub layer (titi) and a dense diverse groundcover. The AA becomes herbaceous as it crosses the FGT corridor. There is a moderate presence of exotic invasive species and the general species composition is less than optimal. Regeneration and recruitment int he forested area appears near normal and plant condition is generally good. Conversion to herbaceous will remove structural habitat, but promote understory species.

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

Delta = [with-current]
-0.1

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

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

For impact assessment areas
FL = 0.1 x 0.374 = 0.037

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 FGT Corridor Alignment		W-ECT-N-229_3 (W-SRF-152)

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

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
Limestone Creek / 50500000		

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

The AA is part of a large system that crosses the FGT corridor and continues both north and south beyond the survey area. The AA is surrounded on to the northeast by planted pine and to the southwest by residential properties. AA is likely affected by anthropogenic activities.

Assessment area description

This wetland system is hardwood dominated with a dense canopy and healthy understory. The overall health and flow is good despite the FGT corridor intersecting the AA. The herbaceous center maintained by FGT remains inundated with good species diversity.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
None	Not Unique

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
MAMMALS: 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-shouldered hawk; REPTILES: green anole, chicken & box turtles, five-lined skink, ring-neck snake, gray rat snake, eastern king snake, water moccasin, alligator; AMPHIBIANS: cricket frog, marbled, mole, three-lined, slimy and southern dusky salamanders.	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.):

None

Additional relevant factors:

None

Assessment conducted by:	Assessment date(s):
T.Callahan, R. Mcloughlin ECT Inc.	5/23/2019

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
NFRC FGT Corridor Alignment		W-ECT-N-229_3 (W-SRF-152)
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Impact	T.Callahan, R. Mcloughlin ECT Inc.	5/23/2019

Scoring Guidance
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed

Optimal (10)	**Moderate(7)**	**Minimal (4)**	**Not Present (0)**
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: 6
This wetland is part of a larger system that continues both north and south beyond the survey area. The AA offers optimal support for most wild life as there are no major barriers. The AA is in a relatively remote location surrounded by pine and some urban residential properties. Although not hydrologically connected species may traverse freely between features. Downstream habitats do not appear to be hydrologically connected in any way. With the exception of harvesting and replanting the pine the surrounding uplands inflict minimal adverse impacts on wildlife.		
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 7	with: 7
Distinct hydrologic indicators present (Inundation, saturation, stained leaves, water marks, muck presence).Water levels are appropriate and consistent within the heart of the wetlands while the perimeter remains saturated. The only potential hydrological stress comes from the pine production and all associated equipment. Nearby residential properties abut Tram road could potentially contribute to water quality degradation.		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 3
The forested portion of the AA is hardwood dominant. The canopy is dense with good representative diversity. The sapling/Shrub layer is overwhelmingly dominant with Titi. Where the AA crosses the FGT corridor a natural display of marsh species can be found. There is normal age and size distribution and plant condition is generally good. There were no exotic invasive species observed. Conversion to herbaceous will remove structural habitat, but promote understory species.		

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres: 0.67	with: 0.54

Delta = [with-current]
-0.13

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

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

For impact assessment areas
FL = 0.13 x 0.703 = 0.091

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-AA-015A

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)
	3	

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

Unknown; potentially seaonally connected because there are several isolated wetlands within close proximity of one another in this area.

Assessment area description

Medium sized wetland depression that has an adjacent access road. This area also has planted pines all around.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 to the south and is relatively close to a rest stop structure. Hendry Tram Road is to the north.	This wetland is typical for the area.

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

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)
Typical mammals, amphibians, and fish. Minnows were observed.	

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

Birds, amphibians and minnows.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
J.L. Bell	4/18/2019

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-AA-015A
Impact or Mitigation	Assessment conducted by:	Assessment date:
Temporary Impact	J.L. Bell	4/18/2019

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

.500(6)(a) Location and Landscape Support w/o pres or current: 5 with: 5	Has roads nearby, but provides good habitat for wildlife.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current: 6 with: 6	This area is resemblant of a freshwater swamp and has standing water. The wetland provides water quality, water storage, and habitat.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current: 5 with: 5	This wetland has appropriate vegetation.

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: 0.53	Preservation adjustment factor = Adjusted mitigation delta =	FL = delta x acres =

Delta = [with-current]	If mitigation	For mitigation assessment areas
	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-AA-015B

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)
	3	

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

Unknown; potentially seaonally connected because there are several isolated wetlands within close proximity of one another in this area.

Assessment area description

Medium sized wetland depression that has an adjacent access road. This area also has planted pines all around.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 to the south and is relatively close to a rest stop structure. Hendry Tram Road is to the north.	This wetland is typical for the area.

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

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)
Typical mammals, amphibians, and fish. Minnows were observed.	

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

Birds, amphibians and minnows.

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
J.L. Bell	4/18/2019

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-AA-015B
Impact or Mitigation	Assessment conducted by:	Assessment date:
Temporary Impact	J.L. Bell	4/18/2019

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

.500(6)(a) Location and Landscape Support w/o pres or current: 5 with: 5	Has roads nearby, but provides good habitat for wildlife.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current: 6 with: 6	This area is resemblant of a freshwater swamp and has standing water. The wetland provides water quality, water storage, and habitat.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current: 5 with: 5	This wetland has appropriate vegetation.

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: 0.53	Preservation adjustment factor = Adjusted mitigation delta =	FL = delta x acres =

Delta = [with-current]	If mitigation	For mitigation assessment areas
	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-AA-016

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)
	3	

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

This small portion of this wetland is connected to a larger portion to the north.

Assessment area description

This is a small wetland that has planted pine and two access roads on its fringes.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
I-10 to the south, Hendry Tram Road is to the north, and this wetland is also bordered by two access roads.	Not unique.

Functions	Mitigation for previous permit/other historic use
Water Storage	

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	

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):
J.L.Bell	4/18/2019

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-AA-016
Impact or Mitigation	Assessment conducted by:	Assessment date:
Temporary Impact	JLB	4/18/2019

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

.500(6)(a) Location and Landscape Support w/o pres or current: 4 with: 4	This wetland is bordered by two access roads which alter its natural hydrology.
.500(6)(b)Water Environment (n/a for uplands) w/o pres or current: 4 with: 4	There is some standing water in this location but only enough to seasonally support some amphibians.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current: 4 with: 4	The vegetation is disturbed in this particular location because of its close proximity to two access roads.

Score = sum of above scores/30 (if uplands, divide by 20)	If preservation as mitigation,	For impact assessment areas
current or w/o pres: 0.4 with: 0.4	Preservation adjustment factor =	FL = delta x acres =
	Adjusted mitigation delta =	

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

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-AA-017

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10, isolated hydrologically

Assessment area description

The depressional wetland is surrounded by agricultural activities and I-10 to the south.

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

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

None

Additional relevant factors:

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

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-AA-017
Impact or Mitigation	Assessment conducted by:	Assessment date:
Temporary Impact	A. Wickman, T. Guest	4/18/2019

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

.500(6)(a) Location and Landscape Support	w/o pres or current: 7	with: 7	The depressional wetland is surrounded by agricultural activities and I-10 to the south.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 6	with: 6	The wetland is a small depressional wetland. The hydrology has been impacted by the construction of I-10 to the south and unimproved pastures surrounding the wetland. There may be a hydrological connection to northern hardwood swamps.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 7	Appropriate vegetation which includes red maple, sweetbay, and bald cypress. Understory and groundcover includes cassine holly and wetland sedges and grasses. The eastern and western perimeters have been cut over and revegetated with ruderal species.

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

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 Area Transmission		W-EE-AA-018

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	3	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Isolated wetland located adjacent to improved pasture and hardwood swamps
Assessment area description The depressional wetland has been timbered and is revegetating with sweetgum saplings

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
1-10	Not unique
Functions	Mitigation for previous permit/other historic use
Limited wildlife habitat, water storage	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)
Low potential for wildlife habitat	NA

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

Assessment conducted by:	Assessment date(s):
A Wickman, T Guest	4/17/2019

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 Area Transmission		W-EE-AA-018
Impact or Mitigation	Assessment conducted by:	Assessment date:
Temporary Impact	A. Wickman, T Guest	4/17/2019

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	3	3	Depressional wetland located within improved and unimproved pastures
.500(6)(b)Water Environment (n/a for uplands)	3	3	Depressional wetland provides minimal water storage
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	5	5	Wetland is vegetated with appropriate wetland sedges and grasses. Sweetgum saplings and bahia grass observed recruiting within the wetland.

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

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-AA-019

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

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

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

Adjacent to I-10, isolated hydrologically

Assessment area description

The depressional wetland is within a planted pine forest.

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

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

None

Additional relevant factors:

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

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

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

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

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

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

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

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 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-AA-020A

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10, isolated hydrologically

Assessment area description

The depressional wetland is surrounded by agricultural activities and I-10 to the south.

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

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

None

Additional relevant factors:

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

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-AA-020A
Impact or Mitigation	Assessment conducted by:	Assessment date:
Temporary Impact	A. Wickman, T. Guest	4/18/2019

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

.500(6)(a) Location and Landscape Support	w/o pres or current: 7	with: 7	The depressional wetland is surrounded by agricultural activities and I-10 to the south.
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 6	with: 6	The wetland is a small depressional wetland. The hydrology has been impacted by the construction of I-10 to the south and unimproved pastures surrounding the wetland. There may be a hydrological connection to northern hardwood swamps.
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 7	Appropriate vegetation which includes red maple, sweetbay, and bald cypress. Understory and groundcover includes cassine holly and wetland sedges and grasses. The eastern and western perimeters have been cut over and revegetated with ruderal species.

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

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-AA-020B

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10, isolated hydrologically

Assessment area description

The depressional wetland is surrounded by agricultural activities and I-10 to the south.

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, resident songbirds, and amphibians.	NA

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

None

Additional relevant factors:

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

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-AA-020B
Impact or Mitigation	Assessment conducted by:	Assessment date:
Temporary Impact	A. Wickman, T. Guest	4/18/2019

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

		w/o pres or current	with
.500(6)(a) Location and Landscape Support	The depressional wetland is surrounded by agricultural activities and I-10 to the south.	7	7
.500(6)(b)Water Environment (n/a for uplands)	The wetland is a small depressional wetland. The hydrology has been impacted by the construction of I-10 to the south and unimproved pastures surrounding the wetland. There may be a hydrological connection to northern hardwood swamps.	6	6
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	Appropriate vegetation which includes red maple, sweetbay, and bald cypress. Understory and groundcover includes cassine holly and wetland sedges and grasses. The eastern and western perimeters have been cut over and revegetated with ruderal species.	7	7

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

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-ECT-AA-025B

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)
St Marks River		

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

Assessment area description

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

Functions	Mitigation for previous permit/other historic use

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)
none	

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

None

Additional relevant factors:

This drainage flows from culvert under I-10 to small wetland depression in cow field

Assessment conducted by:!	Assessment date(s):
Steve Florey	2/2/2019

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-ECT-AA-025B
Impact or Mitigation	Assessment conducted by:	Assessment date:
Impact		2/2/2019

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	2	Adjacent to I-10
.500(6)(b)Water Environment (n/a for uplands)	3	3	Intermittent
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	4	3	Little vegetation and diversity

Score = sum of above scores/30 (if uplands, divide by 20)	current or w/o pres	with
	0.33	0.27

Delta = [with-current]
0.06

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

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

For impact assessment areas
FL = 0.06 x 0.0001 = 0.00001

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-AA-026A

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
646	Mixed Scrub-shrub Wetland	Impact	

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

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

This wetland connects to a larger system that extends to the north and the south.

Assessment area description

The wetland is adjacent and within a dirt farm road. The assessment area includes the road and shoulders adjacent to the road. These areas are not forested.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Young pine plantation	not unique

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

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)
snakes, birds, deer, raccoon, opossum	none

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

Additional relevant factors:

This wetland extends through the road. No water was in the road at the time of the site visit. The wetland is connected to a borrow area immediately adjacent to the road that was inundated at the time of the site visit.

Assessment conducted by:	Assessment date(s):
E Peppers, A Phillips	4/16/2019

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-AA-026A
Impact or Mitigation	**Assessment conducted by:**	**Assessment date:**
Temporary Impact	E Peppers, A Phillips	4/16/2019

Scoring Guidance	**Optimal (10)**	**Moderate(7)**	**Minimal (4)**	**Not Present (0)**
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface 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 been impacted by pine plantation and a dirt road. The lands surrounding this wetland have had a lot of mechanical disturbance. It appears that the dirt for the road may have been excavated from the adjacent lands, forming linear borrow areas that are inundated and connect to the natural wetland.	3	3
.500(6)(b)Water Environment (n/a for uplands)	The assessment area is within and immediately adjacent to the dirt farm road. The hydrology is disrupted by the road. The majority of the wetland area is within the compacted dirt road, thus its primary remaining function is to aid with water conveyance.	3	3
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	The vegetation is primarily herbaceous species within the road. There are a few shrubs on the adjacent shoulder, but a large part of the wetland is dirt.	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-AA-026B

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
646	Mixed Scrub-shrub Wetland	Impact	

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

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

This wetland connects to a larger system that extends to the north and the south.

Assessment area description

The wetland is adjacent and within a dirt farm road. The assessment area includes the road and shoulders adjacent to the road. These areas are not forested.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
Young pine plantation	not unique

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

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)
snakes, birds, deer, raccoon, opossum	none

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

Additional relevant factors:

This wetland extends through the road. No water was in the road at the time of the site visit. The wetland is connected to a borrow area immediately adjacent to the road that was inundated at the time of the site visit.

Assessment conducted by:	Assessment date(s):
E Peppers, A Phillips	4/16/2019

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-AA-026B
Impact or Mitigation	Assessment conducted by:	Assessment date:
Temporary Impact	E Peppers, A Phillips	4/16/2019

Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface 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 been impacted by pine plantation and a dirt road. The lands surrounding this wetland have had a lot of mechanical disturbance. It appears that the dirt for the road may have been excavated from the adjacent lands, forming linear borrow areas that are inundated and connect to the natural wetland.	3	3
.500(6)(b)Water Environment (n/a for uplands)	The assessment area is within and immediately adjacent to the dirt farm road. The hydrology is disrupted by the road. The majority of the wetland area is within the compacted dirt road, thus its primary remaining function is to aid with water conveyance.	3	3
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	The vegetation is primarily herbaceous species within the road. There are a few shrubs on the adjacent shoulder, but a large part of the wetland is dirt.	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-AA-027

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 Alligator Creek-Aucilla River	3	

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

Adjacent to I-10

Assessment area description

Depressional wetland

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

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

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Provides habitat and refuge for small mammals, wading birds, woodpeckers, resident songbirds, and amphibians.	NA

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

Deer, pileated woodpecker, resident songbirds

Additional relevant factors:

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

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

Site/Project Name	Application Number	Assessment Area Name or Number
North Florida Resiliency Connection		W-EE-AA-027
Impact or Mitigation	Assessment conducted by:	Assessment date:
Temporary Impact	A. Wickman and N. Calhoun	2/5/2019

Scoring Guidance	Optimal (10)	Moderate(7)	Minimal (4)	Not Present (0)
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface 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: 6
The wetland is located adjacent to Interstate I-10 and a coniferous plantation.		
.500(6)(b)Water Environment (n/a for uplands)	w/o pres or current: 6	with: 6
The wetland is depressional with standing water. The hydrology has been impacted by the construction of I-10 to the south and a farm road to the north.		
.500(6)(c)Community structure 1. Vegetation and/or 2. Benthic Community	w/o pres or current: 7	with: 7
Appropriate vegetation which includes red maple and sweetbay with an understory of titi. Groundcover consists of wetland sedges and grasses.		

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

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]