
Section C: Supplemental Information for Works or Other Activities In, On, or Over Wetlands and/or Other Surface Waters

Instructions: **This section is for applications that do not involve activities associated with an individual single-family residence, duplex, triplex, or quadruplex. For those activities, please use Section B.** This form is to be completed if the proposed work or activity will occur in, on, over, or within 25 feet of a wetland or other surface water. The supplemental information required by this section is in addition to the information required by Section A of the application.

Part 1: Wetland or Other Surface Water Impact Summary

1. Describe the basic purpose of the project or activity: **Geotechnical investigation in wetlands within Jefferson County, Florida including one bore location in Florida Department of Transportation (FDOT) Right-of-Way including access clearing, soil boring, auguring, or coring not to exceed one foot in diameter.**

2. Total area of work (dredging, filling, construction, alteration, or removal) in, on, or over wetlands or other surface waters: **±522.72 sq. ft.; (± 0.012 ac.) Includes clearing for temporary access in wetlands within FDOT ROW.**

3. Total volume of material to be dredged or filled in wetlands or other surface waters: NA
 - a. to be dredged: **Varies, depends on depth** cubic yards,
 - b. to be filled: **Soil boring location to be backfilled** cubic yards.

4. Identify the seasonal high water level (SHWL) and wetland normal pool elevations for each wetland or surface water within the project site. For tidal wetlands and/or surface waters provide the elevation of mean high and mean low water. Include an aerial photograph showing the location of each sampling location, dates, datum, and methods used to determine these elevations. **The proposed project is not expected to impact the seasonal function of the wetlands, therefore, SHWL was not identified. Wetlands were delineated in accordance with the Florida Unified Wetland Delineation Methodology (Chapter 62-340, F.A.C.).**

5. Name of waterbody(ies) (if applicable & if known) in which work will occur? **N/A**

6. Is the activity proposed in an Outstanding Florida Water or Aquatic Preserve?
 yes, name: **no** I don't know

7. Has there ever been a formal or informal wetland determination for the project site? If yes, provide the identifying number and/or a copy of the jurisdictional map. **No**

8. Provide a map(s) of the project area and vicinity delineating USDA/NRCS soil types. **Please refer to Figure 5, Soils Map.**



Form #62-330.060(1) - Application for Individual and Conceptual Approval Environmental Resource Permit and Authorization to Use State-Owned Submerged Lands

Incorporated by reference in subsection 62-330.060(1), F.A.C. (June 1, 2018)

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9. Provide recent aerials, legible for photointerpretation (no photocopies) with a scale of 1" = 400 ft, or more detailed, with project boundaries and wetland boundaries delineated on the aerial. **Please refer to Figure 6, Impacts Map.**

10. Provide maps accurately portraying the existing and proposed natural vegetative community types and land cover classifications using recognized classification schemes. Suggested sources include: the Florida Natural Areas Inventory Guide to the Natural Communities of Florida (2010) available at <http://www.fnai.org/naturalcommguide.cfm>, or the Florida Land Use and Cover Classification System (FLUCCS) (FDOT 1999, available at <http://www.dot.state.fl.us/surveyingandmapping/documentsandpubs/fluccmanual1999.pdf>). For vegetated areas dominated by exotic vegetation, use the descriptors representative of the native community type that was present prior to exotic infestation. **Please refer to Figure 7, Land Use/Land Cover Map.**

11. Impact Summary Tables (located at the end of this section):
 - a. For all projects, complete Table 1, 2 and 3 as applicable. **Please See ERP Table 1, below.**
 - b. For shoreline stabilization projects, provide the information requested in Table 4. **N/A**

12. If the activity is located on state owned submerged lands and requires a lease or easement, provide a list of names and addresses from the latest county tax assessment roll of all property owners located within a 500 ft. radius of the proposed lease or easement boundary in mailing label format, or you may elect to send notice to those persons by certified mail, with the return-receipt card addressed to the DEP or water management district, as applicable, in accordance with subsection 18-21.005(3), F.A.C., and Section 253.115, F.S. Attach additional sheets if necessary.

N/A

1. Name:
Mailing Address:
City, State, Zip Code:

2. Name:
Mailing Address:
City, State, Zip Code:

3. Name:
Mailing Address:
City, State, Zip Code:

4. Name:
Mailing Address:
City, State, Zip Code:

5. Name:
Mailing Address:
City, State, Zip Code:

6. Name:
Mailing Address:
City, State, Zip Code:

Part 2: Environmental Considerations

Note: for many questions, a state statute/Applicant's Handbook Volume I (AH I) section is cited to assist the applicant in addressing these questions. However, additional federal criteria may apply.

1. Elimination or Reduction of Impacts (Avoidance and Minimization). Describe measures taken to eliminate or reduce impacts to wetlands and other surface waters (*Refer to AH I Section 10.2.1*). **This application includes one bore location within wetlands in FDOT right-of-way that require geotechnical investigation. The sampling is proposed in a wetland location near the wetland and upland interface. Therefore, impacts to wetlands have been minimized to the extent practicable.**
2. Fish, Wildlife, Listed Species, and their Habitats. Provide results of any wildlife assessments that have been conducted on the project site and provide any comments, biological opinions, formal or informal consultation decisions, or recommended actions you have received pertaining to the project from the Florida Fish and Wildlife Conservation Commission, the U.S. Fish and Wildlife Service, and the National Marine Fisheries Service. (*Refer to AH I Section 10.2.2*). **Gulf Power Company conducted wetland delineations of the subject wetland, and during that time, biologist did not observe or record evidence that listed species utilize the wetland area where geotechnical sampling is proposed.**
3. Water quantity impacts to wetlands and other surface waters (*Refer to AH I Section 10.2.2.4 and AH II*).
 - a. Does the activity include a proposed surface water management system with a control elevation different than the wetland normal pool elevation(s) of existing or proposed created wetlands or other surface waters? **N/A**
 - b. If yes to (a), provide documentation (e.g. drawdown assessment or other methods) that shows the proposed surface water management system will not change the hydroperiod of the existing or created wetland or other surface water. **N/A**
4. Public Interest Test. Please describe how the proposed activity will **not be contrary** to the public interest, OR if such an activity significantly degrades or is located within an Outstanding Florida Water (OFW), that the regulated activity will be **clearly in** the public interest (*Refer to AH I Section 10.2.3*).
 - a. Please describe how the project will be designed to avoid adverse effects to public health, safety, or the welfare or the property of others. **The impacts associated with the proposed activities taking place in FDOT ROW are due to temporary clearing for access. Adverse effects to public health, safety, or the welfare or the property of others are not anticipated.**
 - b. Please describe how the project will be designed to avoid adverse effects to the conservation of fish and wildlife, including endangered or threatened species, or their habitats. **The proposed geotechnical investigation within FDOT ROW will be temporary in nature. After sampling occurs, the ROW will be allowed to revert to its previous hydrologic function. Therefore, adverse effects to the conservation of fish and wildlife, including endangered or threatened species, or their habitats are not anticipated.**
 - c. Please describe how the project will be designed to avoid adverse effects to navigation or the flow of water or cause harmful erosion or shoaling. **N/A. The geotechnical investigation locations do not occur in navigable waters.**

- d. Please describe how the project will be designed to avoid adverse effects to the fishing or recreational values or marine productivity in the vicinity of the activity. **N/A. The geotechnical investigation locations do not occur in surface waters.**
- e. Will the project be of a temporary or permanent nature? **The proposed geotechnical investigation will be minimal and temporary in nature. All disturbed wetland areas will be restored to pre-sampling grades.**
- f. Please describe how the project will be designed to avoid adverse impacts to significant historical and archaeological resources, under the provisions of section 267.061, F.S. **Due to the minimal scope necessary to conduct geotechnical sampling at the proposed locations and that proposed bore location is in FDOT ROW, adverse impacts to significant historical and archaeological resources are not anticipated.**
- g. Please describe how the project will be designed to avoid adverse effects to the current condition and relative value of functions being performed by areas affected by the proposed regulated activity. **This application includes one location in wetlands that requires geotechnical sampling. The sampling is proposed in a wetland location near the wetland and upland interface. Therefore, impacts to wetlands have been minimized to the extent practicable. The proposed geotechnical investigation will be minimal and temporary in nature. All disturbed wetland areas will be restored to pre-sampling grades. In addition, please see the response to Paragraph 5, below.**

5. Water Quality.

Provide a description of how water quality will be maintained in wetlands and other surface waters that will be preserved or will remain undisturbed, both on and offsite. Please address both short-term (such as during construction) and long-term water quality considerations (*Refer to AHI Section 10.2.4*). **Turbidity, sedimentation, and erosion shall be controlled during and after the investigation to prevent violations of state water quality standards due to construction related activities. Best management practices and erosion control measures (BMPs), such as silt fence or turbidity barriers, will be installed around the work areas in wetlands and maintained throughout geotechnical investigation activities. No drilling fluid or dredged material will be left above grade in the wetlands. Boreholes suspected to have penetrated a confining layer will be grouted from the bottom up and the severed materials will be removed from the wetland. Temporary vehicular access within wetlands during construction will be performed using vehicles generating minimum ground pressure to minimize rutting and other environmental impacts. Alignments have been chosen that minimize the destruction of mature wetland trees to the greatest extent practicable. When needed to prevent rutting or soil compaction, access vehicles will be operated on wooden, composite, metal, or other non-earthen construction mats. All mats will be removed as soon as practicable after equipment has completed passage through, or work has been completed. Areas disturbed for access will be restored to natural grades immediately after the maintenance or repair is completed.**

6. Class II Waters; Waters approved for shellfish harvesting (*Refer to AHI Section 10.2.5*).

- a. Will the project occur in Class II that are NOT approved for shellfish harvesting? If yes, please provide a plan or procedure detailing the measures to be taken to meet the requirements of *AHI Section 10.2.5(a)*. **N/A. The geotechnical investigation location is not located in or in close proximity to Class II Waters.**

- b. Is the project located adjacent to or in close proximity to Class II waters? If yes, please provide a plan or procedure detailing the measures to be taken to meet the requirements of *AH I Section 10.2.5(b)*. **N/A. The geotechnical investigation location is not located in or in close proximity to Class II Waters.**
- c. Is the project located in Class II or Class III waters that are classified as “approved”, “restricted”, “conditionally approved”, or “conditionally restricted”? If yes, demonstrate that the project meets the requirements of *AH I Section 10.2.5(c)*. **N/A. The geotechnical investigation location is not located in or in close proximity to Class II Waters.**
7. Vertical seawalls. Are vertical seawalls proposed in an estuary or lagoon as part of the project? If yes, please describe how the project meets the requirements of *AH I Section 10.2.6*. **N/A**
8. Secondary Impacts (*AH I Section 10.2.7*).
- a. Will an upland buffer, with a minimum width of 15' and an average width of 25', be provided between the proposed activities and existing wetlands or wetlands to be preserved, enhanced, restored, or created? Provide the location and dimension of all buffers on the plans. If not, demonstrate that secondary impacts will not occur or describe how they will be offset. **No buffer is proposed. No secondary impacts are expected to occur as the proposed geotechnical investigation will be minimal and temporary in nature. All disturbed wetland areas will be restored to pre-sampling grades.**
- b. If listed species are present or may be present, then coordination with wildlife agencies is needed. Have you coordinated with the FFWCC and/or USFWS? If so, please provide correspondence from the wildlife agencies indicating concurrence with the species management plan(s). **Gulf Power Company conducted wetland delineations of the subject wetlands, and during that time, biologists did not observe or record evidence that listed species utilize the wetland areas where geotechnical samplings are proposed.**
- c. What measures will be taken to avoid impacts to wetland-dependent wildlife and/or listed species that use uplands for nesting or denning? **N/A. See above.**
- d. Describe whether there are any other relevant activities that are very closely linked and causally related to any proposed dredging or filling in wetlands or other surface waters that have the potential to cause impacts to significant historical and archaeological resources. **The proposed geotechnical investigation will occur in FDOT ROW and is not expected to cause any impacts to significant historical and archaeological resources.**
- e. Are there additional future phases or extensions of the proposed activities that are not shown? If yes, please describe. **No additional phases are proposed. Geotechnical sampling in other locations in wetlands will be addressed through separate applications.**
9. Cumulative Impacts. Is the proposed mitigation located within the same drainage basin (*Refer to AH I Figures 10.2.8.1 – 10.2.8.5*) as the proposed wetland impacts? **N/A, Impacts expected to be temporary in nature and mitigation for permanent loss of function is not proposed as part of this application.** If not, please submit a Cumulative Impact Evaluation in accordance with *AH I Section 10.2.8*.
10. Mitigation Plan (*Refer to AH I Section 10.3*).

Clearing impacts associated with geotechnical investigation will be temporary in nature. However, temporary loss of hydrologic function caused by any clearing of forested wetlands in FDOT ROW may be offset through the purchase of mitigation bank credits.

- a. If a mitigation bank is proposed to offset wetland/other surface water impacts, provide:
- i. the name of the bank: **San Pedro Bay Mitigation Bank**. A letter of reservation from the banker will be required once the application has been evaluated.
 - ii. If the mitigation bank was assessed using UMAM, provide UMAM worksheets for impact area(s). If the bank was assessed using a method other than UMAM, then prepare the impact assessment using the same method.
- b. If mitigation is proposed to offset wetland/other surface water impacts, please provide a mitigation plan that includes, at a minimum, the following:

N/A, see statement above.

- i. Proposed mitigation narrative:
 - (1) Describe the current and proposed condition for each type of mitigation component (restoration, enhancement, creation, preservation), including:
 - (a) Describe current and proposed vegetation
 - (b) Describe current and proposed hydrologic conditions for the proposed mitigation.
 - (c) Describe the soil types from NRCS maps and confirm if actual soil conditions appear to match.
 - (2) Provide details of the proposed construction/mitigation activities including phasing and timing, as appropriate.
 - (3) Identify measures that will be implemented during and after construction to avoid adverse impacts related to the proposed activities.
 - (4) A mitigation implementation and monitoring schedule with dates.
 - (5) Identify the success criteria.
 - (6) Describe the anticipated site conditions in and around the mitigation area after the mitigation plan is successfully implemented.
 - (7) Provide a comparison of current fish and wildlife habitat to expected habitat after the mitigation plan is successfully implemented.
- ii. Provide a Management Plan that includes, as appropriate, aspects of operation and maintenance, including water management practices, vegetation establishment, exotic and nuisance species control, fire management, and control of access.
- iii. Maps:
 - (1) Soil map (include soil names/codes, hydrologic soil groups and hydric soil types).
 - (2) Topographic map of the mitigation area and adjacent contributing and receiving areas.
 - (3) Hydrologic features map of the mitigation area and adjacent contributing and receiving areas.
 - (4) Vegetative communities map (using FLUCCS or other appropriate classification system).
 - (5) For all maps, identify source.

- iv. Provide the necessary supporting information for the application of sections 62-345.400 - .600 (Uniform Mitigation Assessment Method (UMAM)). To meet this requirement, submittal of UMAM worksheets is acceptable for impact and mitigation areas. **N/A**
- v. If onsite and/or offsite applicant-responsible mitigation is proposed, submit a draft Conservation Easement document or other form of restrictive covenant that provides for protection of the mitigation area in perpetuity. Standard forms, as described in subsection 62-330.301(6), F.A.C., are available from the Agency or on its website. **N/A**
- vi. If onsite and/or offsite applicant-responsible mitigation is proposed, submit a cost estimate for completing the mitigation, including monitoring and maintenance. **N/A**
- vii. If onsite and/or offsite applicant-responsible mitigation is proposed and the proposed mitigation exceeds \$25,000, please provide a draft financial assurance document. Standard forms, as described in subsection 62-330.301(5), F.A.C., are available from the agency or on its website. **N/A**
- viii. Identify the entity responsible for monitoring, maintenance, and long-term stewardship of the mitigation area (i.e. the landowner or homeowner association, not the consultant or contractor that will do the work). **N/A**

Note: It is highly recommended that you coordinate the design of any mitigation plan that also may be required for the Corps permit to meet the requirements of both permits. Pre-application meetings with both the applicable Agency and the Corps can help you to choose a mitigation option that is acceptable to both the applicable Agency and the Corps.

Part 3: Plans

Plans: The information listed in the checklist below represents the typical information required on the submitted project plans. The Plans checklists in each application section are cumulative unless otherwise noted. Separate plans for each application section are not required.

- 1. Include the following on the construction plans and cross sections:
 - a. An Existing Conditions sheet showing the entire project and wetland/other surface water boundaries. Include the following: Acreage and type (herbaceous, forested or other surface water) of each wetland/other surface water.
 - b. A Proposed Conditions sheet showing the entire project and wetland/other surface water boundaries with construction plan overlay.
 - c. A Proposed Wetland Impact sheet that includes the following:
 - i. Acreage and type (herbaceous, forested, or other surface water) of each wetland/other surface water to be impacted.
 - ii. Proposed upland buffers with dimensions.
 - iii. Identify the seasonal high water and wetland normal pool elevations on the plans.
 - d. Include wetland boundaries on all construction plan sheets.
- 2. If onsite and/or offsite applicant-responsible mitigation is proposed, submit mitigation ~~permit~~ plans and cross sections including, at a minimum:
 - a. existing conditions plan sheet identifying upland and wetland communities and acreage of each, topography, drainage patterns, and location of cross-section detail.

- b. proposed conditions plan sheet identifying proposed improvements by type (restoration, enhancement, creation, preservation), acreage of each, topography, drainage patterns, and location of cross-section detail.
- c. monitoring plan sheet including proposed improvements, monitoring transects, photostations, and mitigation signage (if applicable).
- d. cross-section and/or profile detail(s) sheet(s) including representative section of each type of mitigation component. Include existing and proposed conditions and representative elevations.
- e. planting schedule, plant species including common and scientific names divided into three sections (canopy, shrub, herbaceous) by mitigation component, quantity, spacing, size, and elevation range.

Table 1 - Project Wetland (WL) And Other Surface Water (SW) And Impact Summary

WL & SW ID	UMAM ASSESSMENT AREA NAME(S)	WL & SW TYPE	WL & SW SIZE (acres)	WL & SW NOT IMPACTED (acres)	TEMPORARY WL & SW IMPACT SIZE (acres)	TEMPORARY WL & SW IMPACT TYPE	PERMANENT WL & SW IMPACT SIZE (acres)	PERMANENT WL & SW IMPACT TYPE	MITIGATION ID
WL	W-ECT-164	611			0.012	C			MBC
PROJECT TOTALS:					0.012		0.00		

Comments: **Mitigation is not proposed for the temporary impacts to non-forested wetlands, which are expected to quickly recover hydrologic function. Mitigation for temporary loss of function caused by clearing of forested wetlands in FDOT ROW may be offset by the purchase of mitigation credits.**

Codes (multiple entries per cell not allowed):

- Wetland & Surface Water ID: Include ID on submitted wetland and surface water impact maps
- Wetland Type: from an established wetland classification system
- Impact Type: D=dredge; F=fill; H=change hydrology; S=shading; C=clearing; O=other (**Access clearing for Geotech in Wetlands**)

Table 2 - Project On-Site Mitigation Summary

MITIGATION ID	UMAM ASSESSMENT AREA NAME(S)	TARGET TYPE	CREATION AREA (acres)	RESTORATION AREA (acres)	ENHANCEMENT AREA (acres)	WETLANDS PRESERVE AREA (acres)	UPLAND PRESERVE AREA (acres)	OTHER AREA (acres)
PROJECT TOTALS:								

COMMENTS: N/A

Codes (multiple entries per cell not allowed):

- Target Type or Type=target or existing habitat type from an established wetland classification system or land use classification for non-wetland mitigation

Table 3 - Project Off-Site Mitigation Summary

MITIGATION ID	UMAM ASSESSMENT AREA NAME(S)	TARGET TYPE	CREATION AREA (acres)	RESTORATION AREA (acres)	ENHANCEMENT AREA (acres)	WETLANDS PRESERVE AREA (acres)	UPLAND PRESERVE AREA (acres)	OTHER AREA (acres)
PROJECT TOTALS:								

COMMENTS: Impacts are de minimis in nature and mitigation is not proposed as part of this application.

Codes (multiple entries per cell not allowed):

- Target Type or Type=target or existing habitat type from an established wetland classification system or land use classification for non-wetland mitigation

Table 4 - Shoreline Stabilization

Stabilization	Linear Ft. New	Linear Ft. Replaced	Linear Ft. Repaired	Linear Ft. Removed	Slope H: V:	Toe Width (Ft.)
Natural Vegetation (living shoreline)					N/A	N/A
Rip Rap + Vegetation						
Rip Rap						
Seawall + Rip Rap						
Vertical Seawall						
Other Shoreline Stabilization Type						

Size of Rip Rap **N/A**

Type of Rip Rap **N/A**