APPROVED JURISDICTIONAL DETERMINATION FORM **U.S. Army Corps of Engineers**

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

<u>SECTION I: BACKGROUND INFORMATION</u> A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 14 April 2017

В.	DISTRICT OFFICE, FILE NAME, AND NUMBER: Jacksonville, Bolles School Ponte Vedra Campus, 2017-00207
	PROJECT LOCATION AND BACKGROUND INFORMATION: 200 ATP Tour Boulevard Section 34, Township 3 South, Range East
	State:FL County/parish/borough: St. Johns City: Ponte Vedra Beach Center coordinates of site (lat/long in degree decimal format): Lat. 30.196767° N, Long81.382769° W. Universal Transverse Mercator:
	Name of nearest waterbody: Atlantic Ocean
	Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: N/A
	Name of watershed or Hydrologic Unit Code (HUC): HUC 12 code - 030801031605 Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
	Check if other sites (e.g., offsite mitigation sites, disposal sites, etc) are associated with this action and are recorded on a different JD form.
D.	REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):
	 ✓ Office (Desk) Determination. Date: 11 April 2017 ✓ Field Determination. Date(s): 11 April 2017
SE	CTION II: SUMMARY OF FINDINGS
A.	RHA SECTION 10 DETERMINATION OF JURISDICTION.
	ere Are no "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the ew area. [Required]
	Waters subject to the ebb and flow of the tide. Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.
	Explain:
n	OWA GEOTION 404 DETERMINATION OF HIDIODICTION
Ь.	CWA SECTION 404 DETERMINATION OF JURISDICTION.
The	ere Are no "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]
	1. Waters of the U.S.
	 a. Indicate presence of waters of U.S. in review area (check all that apply): ¹ TNWs, including territorial seas
	Wetlands adjacent to TNWs
	Relatively permanent waters ² (RPWs) that flow directly or indirectly into TNWs
	Non-RPWs that flow directly or indirectly into TNWs Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
	Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
	Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
	Impoundments of jurisdictional waters Isolated (interstate or intrastate) waters, including isolated wetlands
	b. Identify (estimate) size of waters of the U.S. in the review area: Non-wetland waters: linear feet: width (ft) and/or acres.
	Wetlands: acres.
	c. Limits (boundaries) of jurisdiction based on: Pick List Elevation of established OHWM (if known):
	2. Non-regulated waters/wetlands (check if applicable): ³
	Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.
	Explain: Field site investigation indicated two wetlands in the review are isolated. The two wetlands are depressional and are surrounded by a rise in topography that contains the flow of water within the two wetland systems; thereby,
	preventing a physical nexus to a TNW. Also, the topographical rise was designated as uplands because it did not meet
	the requirements of 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

Supporting documentation is presented in Section III.F.

A retainment pond has been excavated adjacent to the wetlands preventing a chemical or physical nexus through the soil to a TNW. Site investigation indicated the site is in a urban environment that is surrounded by parking lots, commercial and residential buildings, and a golf course; thereby, fragmenting natural habitat and reducing the biological diversity in the small wetlands, which inhibits biological nexus to a TNW.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1.	TNW Identify TNW:	
	Summarize rationale supporting determination: .	
2.	Wetland adjacent to TNW Summarize rationale supporting conclusion that wetland is "adjacent":	

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

General Area Conditions:

Watershed size: Pick List **Pick List** Drainage area: Average annual rainfall: inches Average annual snowfall: inches (ii) Physical Characteristics: (a) Relationship with TNW: ☐ Tributary flows directly into TNW. Tributary flows through **Pick List** tributaries before entering TNW. Project waters are **Pick List** river miles from TNW. Project waters are **Pick List** river miles from RPW. Project waters are **Pick List** aerial (straight) miles from TNW. Project waters are **Pick List** aerial (straight) miles from RPW.

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

Project waters cross or serve as state boundaries. Explain: .							
Identify flow route to TNW ⁵ : Tributary stream order, if known:							
General Tributary Characteristics (check all that apply): Tributary is: Natural Artificial (man-made). Explain: Manipulated (man-altered). Explain:							
Tributary properties with respect to top of bank (estimate): Average width: feet Average depth: feet Average side slopes: Pick List.							
Primary tributary substrate composition (check all that apply): Silts Sands Concrete Cobbles Gravel Muck Bedrock Vegetation. Type/% cover: Other. Explain:							
Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Presence of run/riffle/pool complexes. Explain: Tributary geometry: Pick List Tributary gradient (approximate average slope):							
(c) Flow: Tributary provides for: Pick List Estimate average number of flow events in review area/year: Pick List Describe flow regime: Other information on duration and volume:							
Surface flow is: Pick List. Characteristics: .							
Subsurface flow: Pick List. Explain findings: Dye (or other) test performed:							
Tributary has (check all that apply): Bed and banks OHWM ⁶ (check all indicators that apply): clear, natural line impressed on the bank destruction of terrestrial vegetation the presence of wrack line shelving the presence of wrack line vegetation matted down, bent, or absent sediment sorting leaf litter disturbed or washed away scour sediment deposition multiple observed or predicted flow events water staining abrupt change in plant community other (list): Discontinuous OHWM. ⁷ Explain: If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):							
High Tide Line indicated by: oil or scum line along shore objects fine shell or debris deposits (foreshore) physical markings/characteristics tidal gauges other (list): Mean High Water Mark indicated by: survey to available datum; physical markings; vegetation lines/changes in vegetation types.							
Chemical Characteristics:							

(iii)

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW. ⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break. ⁷Ibid.

		Cha	aracterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain:
		Ide	ntify specific pollutants, if known:
	(iv)	Bio	logical Characteristics. Channel supports (check all that apply): Riparian corridor. Characteristics (type, average width): Wetland fringe. Characteristics: Habitat for: Federally Listed species. Explain findings: Fish/spawn areas. Explain findings: Other environmentally-sensitive species. Explain findings: Aquatic/wildlife diversity. Explain findings:
2.	Cha	aract	eristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW
	(i)		vsical Characteristics:
		(a)	General Wetland Characteristics: Properties: Wetland size: acres Wetland type. Explain: Wetland quality. Explain: Project wetlands cross or serve as state boundaries. Explain:
		(b)	General Flow Relationship with Non-TNW: Flow is: Pick List. Explain:
			Surface flow is: Pick List Characteristics:
			Subsurface flow: Pick List . Explain findings: . Dye (or other) test performed: .
		(c)	Wetland Adjacency Determination with Non-TNW: Directly abutting Not directly abutting Discrete wetland hydrologic connection. Explain: Ecological connection. Explain: Separated by berm/barrier. Explain:
		(d)	Proximity (Relationship) to TNW Project wetlands are Pick List river miles from TNW. Project waters are Pick List aerial (straight) miles from TNW. Flow is from: Pick List. Estimate approximate location of wetland as within the Pick List floodplain.
	(ii)	Cha	emical Characteristics: aracterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: attify specific pollutants, if known:
	(iii)) Bio	logical Characteristics. Wetland supports (check all that apply): Riparian buffer. Characteristics (type, average width): Vegetation type/percent cover. Explain: Habitat for: Federally Listed species. Explain findings: Fish/spawn areas. Explain findings: Other environmentally-sensitive species. Explain findings: Aquatic/wildlife diversity. Explain findings:
3.	Cha	All	wetland(s) being considered in the cumulative analysis: Pick List proximately () acres in total are being considered in the cumulative analysis.

Directly abuts? (Y/N) Size (in acres) Directly abuts? (Y/N) Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and
 other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

- 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
- 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
- 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D.	DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALI
	THAT APPLY):

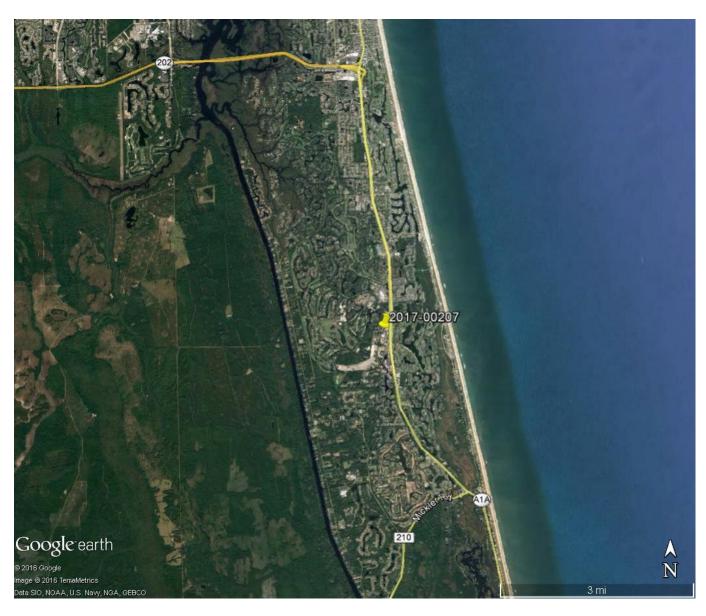
1.	TNWs and Adjacent Wetlands. Check all that apply and provide size estimates in review area:
	TNWs: linear feet width (ft), Or, acres.
	Wetlands adjacent to TNWs: acres.
2.	RPWs that flow directly or indirectly into TNWs.
	Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that
	tributary is perennial: .
	Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are
	jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows
	seasonally: .

	Provide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: .
3.	Non-RPWs ⁸ that flow directly or indirectly into TNWs. Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.
	Provide estimates for jurisdictional waters within the review area (check all that apply): Tributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: .
4.	Wetlands directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands. Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:
	■ Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:
	Provide acreage estimates for jurisdictional wetlands in the review area: acres.
5.	Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.
	Provide acreage estimates for jurisdictional wetlands in the review area: acres.
6.	Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs. Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.
	Provide estimates for jurisdictional wetlands in the review area: acres.
7.	Impoundments of jurisdictional waters. ⁹ As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional. Demonstrate that impoundment was created from "waters of the U.S.," or Demonstrate that water meets the criteria for one of the categories presented above (1-6), or Demonstrate that water is isolated with a nexus to commerce (see E below).
DE SU	DLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, GRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY CH WATERS (CHECK ALL THAT APPLY): 10 which are or could be used by interstate or foreign travelers for recreational or other purposes. from which fish or shellfish are or could be taken and sold in interstate or foreign commerce. which are or could be used for industrial purposes by industries in interstate commerce. Interstate isolated waters. Explain: Other factors. Explain:
Ide	ntify water body and summarize rationale supporting determination:

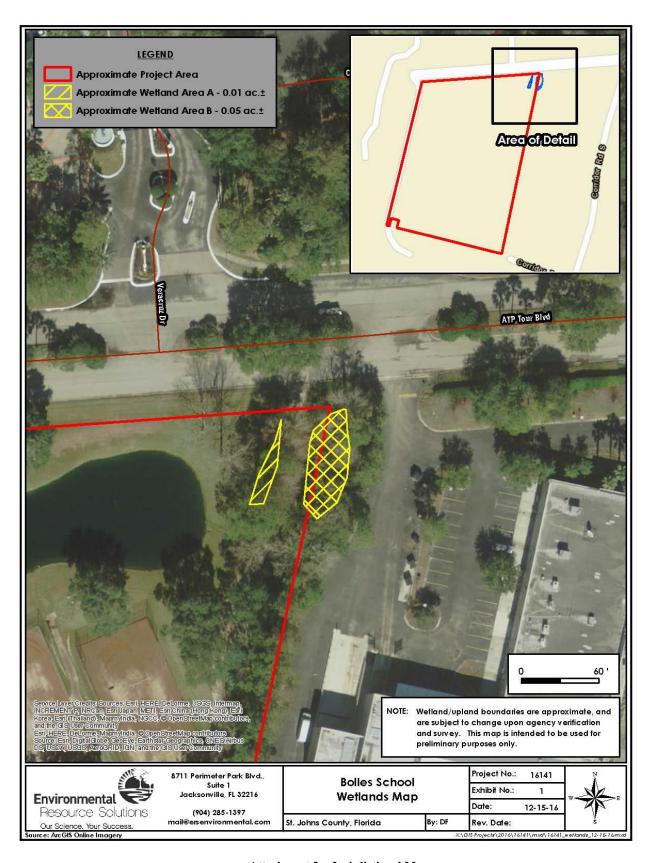
E.

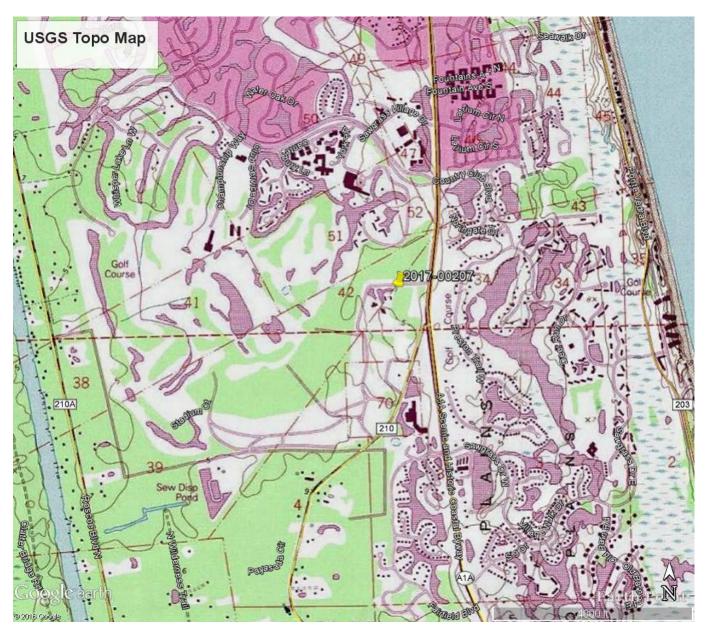
 ⁸See Footnote # 3.
 9 To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.
 10 Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

		vide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: Wetlands: acres.					
F.		N-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY): If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements. Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce. Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR). Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: Other: (explain, if not covered above):					
	facto	wide acreage estimates for non-jurisdictional waters in the review area, where the <u>sole</u> potential basis of jurisdiction is the MBR ors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional gment (check all that apply): Non-wetland waters (i.e., rivers, streams): linear feet width (ft). Lakes/ponds: acres. Other non-wetland waters: acres. List type of aquatic resource: . Wetlands: Wetland 1 = 0.05 acre and Wetland 2 = 0.01 acre.					
		vide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such ading is required for jurisdiction (check all that apply): Non-wetland waters (i.e., rivers, streams): linear feet, width (ft). Lakes/ponds: acres. Other non-wetland waters: acres. List type of aquatic resource: Wetlands: acres.					
SEC	CTIO	N IV: DATA SOURCES.					
A.	and 🖂	PORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked requested, appropriately reference sources below): Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Data sheets prepared/submitted by or on behalf of the applicant/consultant. Attachment 9 Office concurs with data sheets/delineation report. Office does not concur with data sheets/delineation report. Data sheets prepared by the Corps: Attachment 9. Corps navigable waters' study:					
		U.S. Geological Survey Hydrologic Atlas: Attachment 8 – HUC 12. ☐ USGS NHD data. ☐ USGS 8 and 12 digit HUC maps. U.S. Geological Survey map(s). Cite scale & quad name: Attachment 3 – Topographical Map. USDA Natural Resources Conservation Service Soil Survey. Citation: Attachment 6 – Soils Map. National wetlands inventory map(s). Cite name: Attachment 5 – National Wetlands Inventory Map. State/Local wetland inventory map(s): FEMA/FIRM maps: Attachment 7 – FEMA Map. 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929) Photographs: ☐ Aerial (Name & Date):					
		or Other (Name & Date): Previous determination(s). File no. and date of response letter: Applicable/supporting case law: Applicable/supporting scientific literature: Other information (please specify): Attachment 1 – Project Location Attachment 2 – Jurisdictional Map. Attachment 4 – National Hydrology Dataset					



Attachment 1 – Project Location

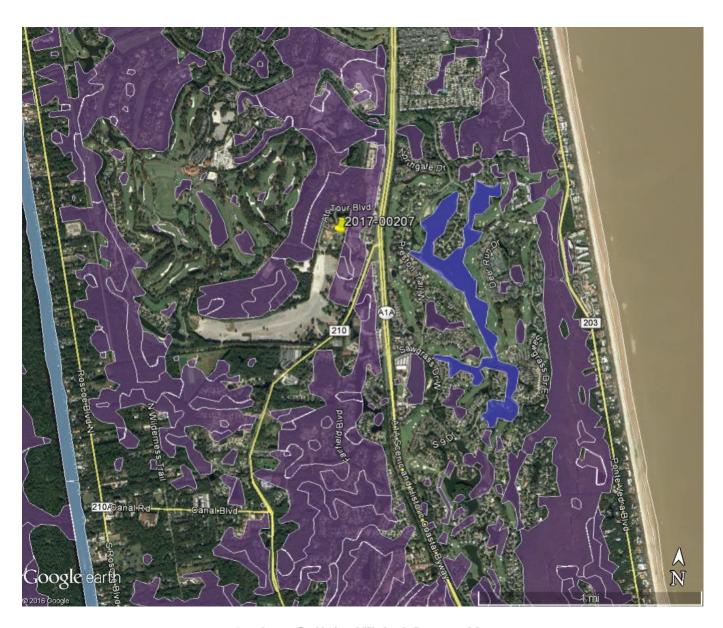




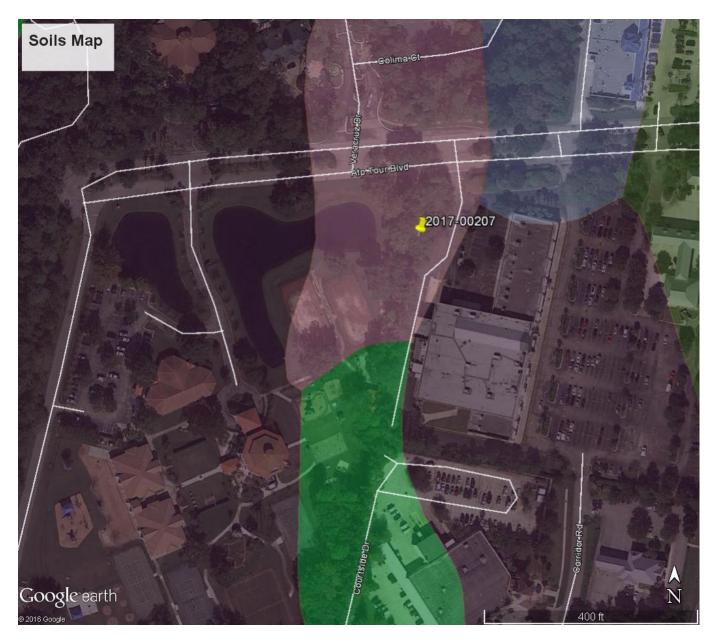
Attachment 3 – USGS Topographical Map



Attachment 4 – National Hydrology Dataset



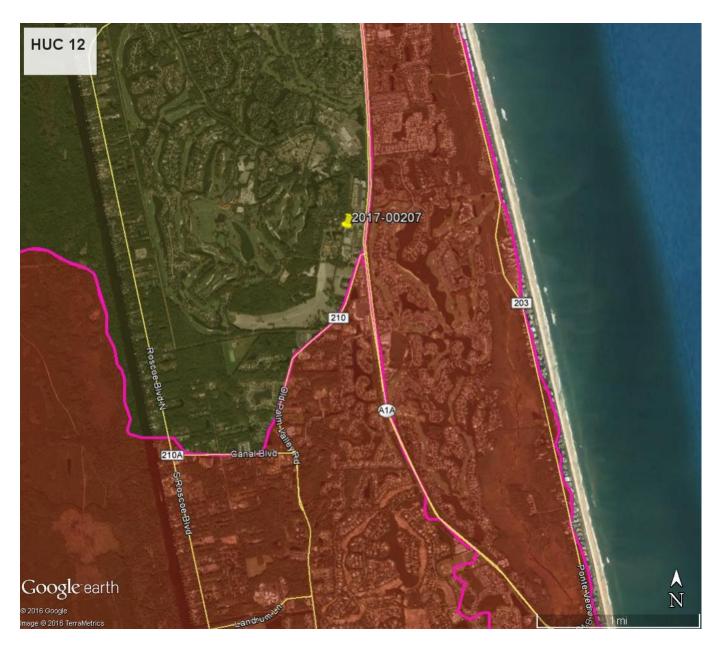
Attachment 5 – National Wetlands Inventory Map



Attachment 6 – Soils Map



Attachment 7 – FEMA Map



Attachment 8 – HUC 12

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Bolles School Ponte Vedra Ca	mpus	City/County: St. Johns		Sampling Date: 12/14/16
Applicant/Owner: Environmental Resource	ce Solution, Inc./Ken Ceglady		State: FL	Sampling Point: Upland
Investigator(s): Ken Ceglady	Sec	tion, Township, Range:	Section 34, Township	3 South, Range 29 East
Landform (hillside, terrace, etc.): Coastal H	ammock Local i	relief (concave, convex,	none): Concave	Slope (%): N/A
Subregion (LRR or MLRA): LRR U			81.382767	Datum: WGS-84
Soil Map Unit Name: 22- Manatee fine sand	F2 25 929 240 25 25		NWI classificat	100-10000 1000-1000-1000-1000-1000-1000
Are climatic / hydrologic conditions on the site		Yes X		explain in Remarks.)
Are Vegetation, Soil, or Hydro	E0.	1 	circumstances" present?	
Are Vegetation , Soil , or Hydro			plain any answers in Re	
SUMMARY OF FINDINGS – Attach	9200E3 SEC. 9200 28		NE:	
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes No X No X	Is the Sampled Area within a Wetland?	Yes	No_X_
Remarks: Wetlands A and B and the adjent upland are	e very close together and all th	iree are indicated by the	same set of coordinate	PS.
HYDROLOGY				
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required and price of the pr	Aquatic Fauna (B13) Marl Deposits (B15) (LR Hydrogen Sulfide Odor (Oxidized Rhizospheres of Reduced Iro Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Reman No X Depth (inches): No X Depth (inches):	(C1) on Living Roots (C3) on (C4) on Tilled Soils (C6) ks) Wetland	Surface Soil Cracl Sparsely Vegetate Drainage Patterns Moss Trim Lines (Dry-Season Water Crayfish Burrows of Saturation Visible Geomorphic Posit Shallow Aquitard (X FAC-Neutral Test Sphagnum Moss (Hydrology Present?	ed Concave Surface (B8) s (B10) (B16) r Table (C2) (C8) on Aerial Imagery (C9) cion (D2) (D3) (D5)
Remarks:				

VEGETATION (Five Strata) – Use scientific names of plants

Absolute Tree Stratum (Plot size: 100¹) Absolute % Cover 1. Pinus elliottii 30 2. Sabal palmetto 20 3. Acer rubrum 20 4.		Indicator Status FACW FAC	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:	4 (
2. Sabal palmetto 20 3. Acer rubrum 20 4.	Yes	FAC	That Are OBL, FACW, or FAC:	4 (
3. Acerrubrum 20 4. 5. 6. 70			* *	4 (
4	Yes	FAC	T-1-1N		(A)
6			Total Number of Dominant Species Across All Strata:	4 ((B)
	Company of the compan		Percent of Dominant Species That Are OBL, FACW, or FAC:	100.0% ((A/B)
50% of total cover: 35 20	=Total Cover	- (3	Prevalence Index worksheet:		
	— % of total cover:	14	Total % Cover of:	Multiply by:	
Sapling Stratum (Plot size:)			OBL species 0 x 1 =	: 0	_
1.			FACW species 30 x 2 =	: 60	
2.		0	FAC species 80 x 3 =	240	
3.	-0 3		FACU species 0 x 4 =	0	
4.	-	<u></u>	UPL species 0 x 5 =	0	1.74
5.	-0.2		Column Totals: 110 (A)	300	(B)
6.	g ti		Prevalence Index = B/A =	2.73	_
d 2	=Total Cover		Hydrophytic Vegetation Indicators	::	_
50% of total cover: 20	— % of total cover:		1 - Rapid Test for Hydrophytic V	egetation	
Shrub Stratum (Plot size: 1 square meter)		<u>.</u>	X 2 - Dominance Test is >50%	nd e malityconnes	
1			3 - Prevalence Index is ≤3.01		
2.	3 5		Problematic Hydrophytic Vegeta	ition ¹ (Explain)
3.		-		5 1 1	
4.	<u> </u>	-			
5.		- 10 A	16-6-4	(1)	
6.		-28	¹ Indicators of hydric soil and wetland present, unless disturbed or problem		ust be
	=Total Cover		Definitions of Five Vegetation Stra	200, 000 A 000	
50% of total cover: 20	— % of total cover:		Tree – Woody plants, excluding woo		
Herb Stratum (Plot size:			approximately 20 ft (6 m) or more in		in.
1. Stenotaphrum secundatum 40	Yes	FAC	(7.6 cm) or larger in diameter at brea		
2.			Sapling – Woody plants, excluding	woody vines	
3.			approximately 20 ft (6 m) or more in		ss
4.			than 3 in. (7.6 cm) DBH.		
5.			Shrub - Woody Plants, excluding we	oody vines	
6.	-0.0		approximately 3 to 20 ft (1 to 6 m) in		
7.	-0.0			2 2 5 7 6	98
8.	0.7		Herb – All herbaceous (non-woody) herbaceous vines, regardless of size		ing
9.	-		plants, except woody vines, less tha		ely 3
10.		9	ft (1 m) in height.		950
11.	0.1		Woody Vine - All woody vines, rega	ardless of heio	aht.
40	=Total Cover	-			*0.00E
	_ = rotal cover: % of total cover:	8			
Woody Vine Stratum (Plot size:	70 Of total cover.				
1	-0 n				
2.					
3.					
4	_e a				
5	_		Hydrophytic		
	_=Total Cover		Vegetation		
50% of total cover: 20	% of total cover:		Present? Yes X No	<u> </u>	

SOIL Sampling Point: Upland

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
Depth	Matrix		Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rem	narks	
0-10	10YR 4/1	50	10YR 8/1	50	MS	М	Sandy				
	10110 4/1		10111 0/1		IVIO		Candy				
9					-		10				
	-			3							
				·——							
	7	¥		8 		× ————————————————————————————————————					
				÷		-					
¹ Type: C=Co	ncentration, D=Depl	etion, RM=R	educed Matrix, N	/IS=Mas	ked Sand	l Grains.	² Loc	ation: PL=Por	e Lining, M=	Matrix.	_
Hydric Soil I	ndicators: (Applical	ble to all LR						cators for Pro		dric Soils	s³:
Histosol	**************************************	_	Thin Dark Si		per or or or	TO COLOR		1 cm Muck (As			
19	ipedon (A2)	=	Barrier Islan			12)		2 cm Muck (A	4.0		
Black His	51 57		(MLRA 15	50			-	Coast Prairie F	3 363		
The state of the s	Sulfide (A4)	-	Loamy Muck	and communication	See Van Hornes	RR O)		(outside ML	# TO A COMPANY OF THE PARTY OF		
20 NA 10	Layers (A5)	- m	Loamy Gley					Reduced Verti		00)	
100	Bodies (A6) (LRR, P , cky Mineral (A7) (LR		Depleted Ma Redox Dark	8 8				Piedmont Floo	RA 150A, 15	150	D D T)
The sounds	esence (A8) (LRR U)	STORT IN ALL TRACE	Depleted Da		Accessed to			Anomalous Br	STREET, STREET	se mante summer	STREET, ST. 1945
2 2000	ck (A9) (LRR P, T)	-	Redox Depre		and the second		_	(MLRA 153E	150	11 0013 (1	20)
-	Below Dark Surface	(A11)	Marl (F10) (I		()			Red Parent Ma	53		
	rk Surface (A12)		Depleted Oc		1) (MLR/	(151)		Very Shallow I	8 12	(F22)	
THE STATE OF THE S	airie Redox (A16) (M	LRA 150A)	— . Iron-Mangar	ARREST	ODG/INDOOR		D, P, T) —	(outside ML	RA 138, 152	A in FL, 1	154)
Sandy M	ucky Mineral (S1) (LI	RR O, S)	Umbric Surf		a usa amilia s	A. B. Sans		Barrier Islands	wa weed?	2000 10 10 20	-madin
Sandy G	leyed Matrix (S4)	0; (85) <u>-</u>	Delta Ochric	(F17) (N	VILRA 15	1)	5	(MLRA 153E	3, 153D)		
Sandy Re	edox (S5)	-	Reduced Ve	rtic (F18) (MLRA	150A, 15	50B)	Other (Explain	in Remarks)		
Stripped	Matrix (S6)	_	Piedmont FI	oodplain	Soils (F	19) (MLR	A 149A)				
Dark Sur	face (S7) (LRR P, S,	T, U)	Anomalous	Bright Fl	oodplain	Soils (F2	(0)				
Polyvalue	e Below Surface (S8)	i "	(MLRA 14	9A, 153	C, 153D)			³ Indicators of h	ydrophytic v	egetation	and
(LRR S	S, T, U)	_	Very Shallov	v Dark S	iurface (F	22)	wetland hydrology must be present,				t,
X			(MLRA 138, 152A in FL, 154)				unless disturbed or problematic.				
Restrictive L	ayer (if observed):										
Type:											
Depth (in	ches):						Hydric Soi	I Present?	Yes	No	X
Remarks:	30 3						790,00				
This data forr	n is revised from Atla	antic and Gu	f Coastal Plain I	Regional	Supplen	nent Vers	ion 2.0 to incl	ude the NRCS	Field Indicat	ors of Hy	dric Soils,
Version 8.0, 2	2016.										

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Bolles School Ponte Vedra Campus City/County: St. Johns Sampling Date: 12/14/16							
Applicant/Owner: Environmental Resour	rce Solution, Inc./Ken Ceglady		State:FL	Sampling Point: W-A			
Investigator(s): Ken Ceglady	Section	on, Township, Range:	Section 34, Township	3 South, Range 29 East			
Landform (hillside, terrace, etc.): Coastal F	łammock Local re	lief (concave, convex,	none): Concave	Slope (%):N/A			
Subregion (LRR or MLRA): LRR U	Lat: 30.196683	Long: -8	31.382767	Datum: WGS-84			
Soil Map Unit Name: 22- Manatee fine sand	dy loam, frequently flooded		NWI classificat	tion:			
Are climatic / hydrologic conditions on the sit		Yes X	 Νο (If no. ε	explain in Remarks.)			
Are Vegetation, Soil, or Hydro	E01	<u> </u>	ircumstances" present?				
Are Vegetation , Soil , or Hydro	ology naturally problemati	c? (If needed, exp	olain any answers in Re	emarks.)			
SUMMARY OF FINDINGS – Attach	ı site map showing sam	pling point locati	ons, transects, im	portant features, etc.			
Hydrophytic Vegetation Present? Hydric Soil Present?		s the Sampled Area	Yes X	No			
Wetland Hydrology Present?	Yes X No		- 	3			
Remarks: Wetland B (0.05 acre) and Wetland A (0.01	acre) are very close together ar	nd are represented by	the same set of coordin	ates.			
HYDROLOGY							
Wetland Hydrology Indicators:	Protects of Particular Control Hamiltonia Control Control		W	(minimum of two required)			
Primary Indicators (minimum of one is requ			Surface Soil Crack				
Surface Water (A1) High Water Table (A2)	Aquatic Fauna (B13) Marl Deposits (B15) (LRR	LI)	X Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10)				
Saturation (A3)	Hydrogen Sulfide Odor (C		Moss Trim Lines (B16)				
Water Marks (B1)		Rhizospheres on Living Roots (C3) Dry-Season Water Table (C2)					
Sediment Deposits (B2)	Presence of Reduced Iron		Crayfish Burrows (C8)				
Drift Deposits (B3)	Recent Iron Reduction in	Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)	X Thin Muck Surface (C7)		Geomorphic Position (D2)				
Iron Deposits (B5)	Other (Explain in Remarks	s)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B	7)		X FAC-Neutral Test	(D5)			
Water-Stained Leaves (B9)			Sphagnum Moss ((D8) (LRR T,U)			
Field Observations:							
Surface Water Present? Yes	No X Depth (inches):						
Water Table Present? Yes	No X Depth (inches):						
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present?	Yes <u>X</u> No			
(includes capillary fringe)							
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, pre-	vious inspections), if a	/allable:				
Remarks:							

VEGETATION (Four Strata) – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: Entirety)	% Cover	Species?	Status	Dominance Test worksheet:
1. Pinus elliottii	30	Yes	FACW	Number of Dominant Species
2. Acer rubrum	40	Yes	FAC	That Are OBL, FACW, or FAC:3(A)
3.		1		Total Number of Dominant
4		-		Species Across All Strata: 3 (B)
5.				Percent of Dominant Species
6		i .		That Are OBL, FACW, or FAC:(A/B)
7	-			Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
		=Total Cover		OBL species0 x 1 =0
50% of total cover: 3		of total cover:	14	FACW species 30 x 2 = 60
Sapling/Shrub Stratum (Plot size:)				FAC species 80 x 3 = 240
1		()	y 	FACU species0 x 4 =0
2				UPL species0 x 5 =0
3.				Column Totals: 110 (A) 300 (B)
4.				Prevalence Index = B/A = 2.73
5.				Hydrophytic Vegetation Indicators:
6.		-		1 - Rapid Test for Hydrophytic Vegetation
7				X 2 - Dominance Test is >50%
8.				X 3 - Prevalence Index is ≤3.0 ¹
		=Total Cover		Problematic Hydrophytic Vegetation (Explain)
50% of total cover:	20%	of total cover:		
Herb Stratum (Plot size:				
Stenotaphrum secundatum	40	Yes	FAC	¹ Indicators of hydric soil and wetland hydrology must be
2.	,			present, unless disturbed or problematic.
3.		3 		Definitions of Four Vegetation Strata:
4.		<u>. </u>		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5.	-	-		more in diameter at breast height (DBH), regardless of
6.				height.
7.	-			
8.			1:	Sapling/Shrub – Woody plants, excluding vines, less
0	-	-		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
10.				
		1		Herb - All herbaceous (non-woody) plants, regardless
11	-) (of size, and woody plants less than 3.28 ft tall.
12.	40 =	=Total Cover	•	Woody Vine - All woody vines greater than 3.28 ft in
50% of total agrees	and the same of th	of total cover:	0	height.
50% of total cover: 2	20%	or total cover.		
Woody Vine Stratum (Plot size:)				
1.		-		
2.		-		
3.		s 		
4	-	-		
5		1		Hydrophytic
		=Total Cover		Vegetation
50% of total cover:	20%	of total cover:		Present? Yes X No No
Remarks: (If observed, list morphological adaptation	ns below.)			

Sampling Point:

W-A

SOIL Sampling Point: W-A Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features Color (moist) % Color (moist) (inches) % Loc2 Texture 0-10 10YR 3/1 100 Mucky Sand ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils3: Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) 2 cm Muck (A10) (LRR S) Black Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) (outside MLRA 150A) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Organic Bodies (A6) (LRR, P, T, U) Depleted Matrix (F3) (outside MLRA 150A, 150B) X 5 cm Mucky Mineral (A7) (LRR P, T, U) Redox Dark Surface (F6) Piedmont Floodplain Soils (F19) (LRR P, T) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) Anomalous Bright Floodplain Soils (F20) (MLRA 153B) 1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Red Parent Material (F21) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) (outside MLRA 138, 152A in FL, 154) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) Barrier Islands Low Chroma Matrix (TS7) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) (MLRA 153B, 153D) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Other (Explain in Remarks) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) ³Indicators of hydrophytic vegetation and (LRR S, T, U) Very Shallow Dark Surface (F22) wetland hydrology must be present, (MLRA 138, 152A in FL, 154) unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No This data form is revised from Atlantic and Gulf Coastal Plain Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 8.0, 2016.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Bolles School Ponte Vedra Car	pus City/County: St. Johns Sampling Date: 12/14/16					
Applicant/Owner: Environmental Resource	ce Solution, Inc./Ken Ceglady	~	State: FL	Sampling Point: W-B		
Investigator(s): Ken Ceglady	Section	n, Township, Range:	Section 34, Township	3 South, Range 29 East		
Landform (hillside, terrace, etc.): Coastal Ha	ammock Local reli	ef (concave, convex,	none): Concave	Slope (%): N/A		
Subregion (LRR or MLRA): LRR U	Lat: 30.196683	Long: -	81.382767	Datum: WGS-84		
Soil Map Unit Name: 22- Manatee fine sandy	10 20 NO. 10 NO.	-	NWI classifica	tion:		
Are climatic / hydrologic conditions on the site		Yes X		explain in Remarks.)		
Are Vegetation, Soil, or Hydrol	5.0	2	Circumstances" present			
Are Vegetation, Soil, or Hydrol	ogy naturally problematic	? (If needed, ex	plain any answers in Re	emarks.)		
SUMMARY OF FINDINGS – Attach	Violation 4 Violat 225		ons, transects, in	nportant features, etc.		
Hydrophytic Vegetation Present?	Yes X No Is	the Sampled Area				
		ithin a Wetland?	Yes X	No		
1905-1907-1907 NACASTONIO ASSAULTINASTENDES	Yes X No					
Remarks:						
Wetland B (0.05 acre) and Wetland A (0.01	acre) are very close together and	d are represented by	the same set of coording	nates.		
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators	(minimum of two required)		
Primary Indicators (minimum of one is requir	ed; check all that apply)		Surface Soil Crac	:ks (B6)		
Surface Water (A1)	Aquatic Fauna (B13)		X Sparsely Vegetated Concave Surface (B8)			
— High Water Table (A2)	Marl Deposits (B15) (LRR	5	Drainage Patterns (B10)			
Saturation (A3)	— Hydrogen Sulfide Odor (C1		Moss Trim Lines (B16)			
— Water Marks (B1)	Oxidized Rhizospheres on	AND STREET OF ST	Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Presence of Reduced Iron	(C8)				
Drift Deposits (B3)	Recent Iron Reduction in T	illed Soils (C6)	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	X Thin Muck Surface (C7) Geomorphic Position (D2)					
The same and the s	Iron Deposits (B5)Other (Explain in Remarks)Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9)	1		X FAC-Neutral Test Sphagnum Moss	8.03 MAS		
entral de la company de la com		ı	Spiragilulii Woss	(D0) (ERR 1,0)		
Field Observations: Surface Water Present? Yes	No. V. Denth (inches):					
Surface Water Present? Yes Water Table Present? Yes	No X Depth (inches):	 -				
Saturation Present? Yes	No X Depth (inches):	—— Wetland	Hydrology Present?	Yes X No		
(includes capillary fringe)	NO_X Deptil (illelies).	Welland	riyarology i resent :	163 <u>X</u> 110		
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, prev	ious inspections), if a	vailable:			
		A. 920				
Remarks:						

VEGETATION (Four Strata) – Use scientific names of plants.

VEGETATION (Four Strata) - Use scienti	Sampling Point: W-B			
<u>Tree Stratum</u> (Plot size: Entirety)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Pinus elliottii	30	Yes	FACW	Number of Deminent Chasics
2. Acer rubrum	40	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)
3. Quercus laurifolia	20	Yes	FACW	and de la fee feet de la company de la compa
4.				Total Number of Dominant Species Across All Strata: 7 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:100.0% (A/B)
7.			<u> </u>	Prevalence Index worksheet:
8.				Total % Cover of:Multiply by:
	90 =	=Total Cover		OBL species 30 x 1 = 30
50% of total cover: 4	5 20%	of total cover:	18	FACW species 50 x 2 = 100
Sapling/Shrub Stratum (Plot size: Entirety)				FAC species 60 x 3 = 180
Cephalanthus occidentalis	20	Yes	OBL	FACU species0 x 4 =0
2. Myrica cerifera	10	Yes	FAC	UPL species 0 x 5 = 0
3. Sabal palmetto	10	Yes	FAC	Column Totals: 140 (A) 310 (B)
4.				Prevalence Index = B/A = 2.21
5.				Hydrophytic Vegetation Indicators:
6.		-		1 - Rapid Test for Hydrophytic Vegetation
7				X 2 - Dominance Test is >50%
8.				X 3 - Prevalence Index is ≤3.0 ¹
	40 =	=Total Cover		Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 2	0 20%	of total cover:	8	
Herb Stratum (Plot size: 1 m2)				
1. Juncus effusus	10	Yes	OBL	¹ Indicators of hydric soil and wetland hydrology must be
2.				present, unless disturbed or problematic.
3.				Definitions of Four Vegetation Strata:
4.				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
5.				more in diameter at breast height (DBH), regardless of
6.				height.
7.				Sanling/Shrub Wandy plants avaluding vines less
8.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
9.				
10.				Hork All borthonous (non-viscolis) wheels reconstitute
11.		<u> </u>	<u> </u>	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12.				
	10 =	=Total Cover		Woody Vine - All woody vines greater than 3.28 ft in
50% of total cover:	20%	of total cover:	2	height.
Woody Vine Stratum (Plot size:)			*	
1		E		
2.		s =		
3.				
4.		7		
5.				Hudran budia
		=Total Cover		Hydrophytic Vegetation
50% of total cover:	20%	of total cover:		Present? Yes X No
Remarks: (If observed, list morphological adaptatio				
	,			

SOIL Sampling Point: W-B Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features Color (moist) % Color (moist) (inches) % Loc2 Texture 0-10 10YR 3/1 100 Mucky Sand ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils3: Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) 2 cm Muck (A10) (LRR S) Black Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) (outside MLRA 150A) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) Organic Bodies (A6) (LRR, P, T, U) Depleted Matrix (F3) (outside MLRA 150A, 150B) X 5 cm Mucky Mineral (A7) (LRR P, T, U) Redox Dark Surface (F6) Piedmont Floodplain Soils (F19) (LRR P, T) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) Anomalous Bright Floodplain Soils (F20) (MLRA 153B) 1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Red Parent Material (F21) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) (outside MLRA 138, 152A in FL, 154) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) Barrier Islands Low Chroma Matrix (TS7) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) (MLRA 153B, 153D) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Other (Explain in Remarks) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) ³Indicators of hydrophytic vegetation and (LRR S, T, U) Very Shallow Dark Surface (F22) wetland hydrology must be present, (MLRA 138, 152A in FL, 154) unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No This data form is revised from Atlantic and Gulf Coastal Plain Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 8.0, 2016.