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.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): December 13, 2011

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Charleston District Northwest Branch, Chester Technology Park, SAC 2010-1013-5C, Form 2 of 4.

C.	PROJECT LOCATION AND BACKGROUND INFORMATION: State: South Carolina County/parish/borough: Chester City: Chester Center coordinates of site (lat/long in degree decimal format): Lat. 34.70430° N, Long. 81.17678° W. Universal Transverse Mercator: NAD83 Name of nearest waterbody: Unnamed tributary to Grassy Run Branch Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Rocky Creek Name of watershed or Hydrologic Unit Code (HUC): 03050103-090 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: December 8, 2011 Field Determination. Date(s): October 13, 2010
	CTION II: SUMMARY OF FINDINGS RHA SECTION 10 DETERMINATION OF JURISDICTION.
	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:
В. (CWA SECTION 404 DETERMINATION OF JURISDICTION.
The	re Are "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): 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 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: 100 linear feet: 4-8 width (ft) and/or acres. Wetlands: 0.736 acres.
	c. Limits (boundaries) of jurisdiction based on: Established by OHWM., 1987 Delineation Manual, Pick List Elevation of established OHWM (if known):
	2. Non-regulated waters/wetlands (check if applicable): Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:

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).

³ Supporting documentation is presented in Section III.F.

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.

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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

(i) General Area Conditions:

Watershed size: 127,873 acres; 03050103-090, Rocky Creek

Drainage area: 83 acres

Average annual rainfall: **46.92** inches Average annual snowfall: **4.7** inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

☐ Tributary flows directly into TNW.

Tributary flows through 2 tributaries before entering TNW.

Project waters are **5-10** river miles from TNW.

Project waters are 1 (or less) river miles from RPW.

Project waters are 5-10 aerial (straight) miles from TNW.

Project waters are 1 (or less) aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain: They do not.

Identify flow route to TNW⁵: **The unnamed tributary (S-RPW#2) flows into an unnamed tributary to Grassy Run Branch (P-RPW#1 on Form 1 of 4), which flows into Grassy Run Branch, which flows into Rocky Creek, a TNW.** Tributary stream order, if known: **first**.

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

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.

(6)	Tributary is: Natural Artificial (man-made). Explain: Manipulated (man-altered). Explain:
	Tributary properties with respect to top of bank (estimate): Average width: 6 feet Average depth: 0.5 feet Average side slopes: 2:1.
	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: moderately stable. Presence of run/riffle/pool complexes. Explain: None observed . Tributary geometry: Meandering. Tributary gradient (approximate average slope): 3 %
(c) tributary.	Flow: Tributary provides for: Seasonal flow Estimate average number of flow events in review area/year: 20 (or greater) Describe flow regime: The contributions of drainage area and ground water provide base flow in the
tributary.	Other information on duration and volume: .
	Surface flow is: Discrete and confined. Characteristics: .
	Subsurface flow: Unknown. 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 changes in the character of soil shelving vegetation matted down, bent, or absent leaf litter disturbed or washed away sediment deposition sediment deposition water staining 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:
Cha	emical Characteristics: aracterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: No flow was observed during the site visit, but the channel bed was saturated. The drainage area includes agricultural and commercial land use. Intify specific pollutants, if known: Herbicides, pesticides, fertilizers, and sediment from agricultural areas and oil and roads.

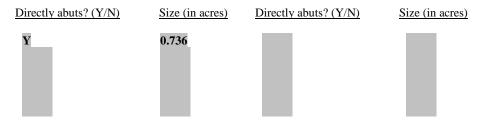
⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (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.

	(iv)		ogical Characteristics. Channel supports (check all that apply): Riparian corridor. Characteristics (type, average width): Mixed hardwood approximately 25 feet wide. 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: Enhances a variety of wildlife species by providing habitat diversity
through	vege	tatio	n and substrate changes where aquatic systems adjoin uplands.
2.	Cha	racto	eristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW
	(i)		sical Characteristics: General Wetland Characteristics: Properties: Wetland size: 0.736 acres Wetland type. Explain: palustrine forested broad-leaved deciduous. Wetland quality. Explain: The wetland appears to function fully. Project wetlands cross or serve as state boundaries. Explain: It does not.
		(b)	General Flow Relationship with Non-TNW: Flow is: Ephemeral flow . Explain: Water from the wetland flows into the stream over the surface of the wetland
duı	ing h	eavy	storm events.
			Surface flow is: Overland sheetflow Characteristics: Flow from the wetland discharges into the stream over the surface of the wetland.
			Subsurface flow: Unknown. Explain findings:
		(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 5-10 river miles from TNW. Project waters are 5-10 aerial (straight) miles from TNW. Flow is from: Wetland to navigable waters. Estimate approximate location of wetland as within the 500-year or greater floodplain.
	(ii)	Cha	mical Characteristics: racterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: No surface water was observed during the site visit, but the wetland soil was saturated. The drainage area includes agricultural and commercial land use. tify specific pollutants, if known: Herbicides, pesticides, fertilizers, and sediment from agricultural areas and oil and
gre	ase fi		oads.
	(iii)		ogical Characteristics. Wetland supports (check all that apply): Riparian buffer. Characteristics (type, average width): Mixed hardwood approximately 25 feet wide. 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: Enhances a variety of wildlife species by providing habitat diversity
through	vege	tatio	n and substrate changes where aquatic systems adjoin uplands.
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3. Characteristics of all wetlands adjacent to the tributary (if any)
All wetland(s) being considered in the cumulative analysis: 1
Approximately (0.736) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:



Summarize overall biological, chemical and physical functions being performed: The wetland enhances a variety of wildlife species by providing habitat diversity through vegetation and substrate changes where aquatic systems adjoin uplands. Due to surrounding agricultural and commercial land uses, the wetland acts as a catch basin for adjacent uplands, filtering herbicides, pesticides, fertilizers, sediment, oil and grease, and other pollutants and reducing the release of flood waters to the TNW. The wetland reduces nitrogen and phosphorus loading downstream and prevents oxygen depletion that can result from eutrophication. The wetland processes nutrients and organic carbon that support downstream foodwebs.

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:
- 4. Documentation for the Record only: Significant nexus findings for seasonal RPWs and/or wetlands abutting seasonal RPWs: The tributary (S-RPW#2) and wetland (Wetland A) are performing a variety of functions that relate to the physical, chemical, and biological integrity of the downstream TNW (Rocky Creek). The tributary and wetland perform flow maintenance functions such as retaining runoff from the adjacent agricultural fields and roads, and temporarily storing rainwater after storm events. Flow maintenance results in the reduction of downstream peak flows, which help to maintain seasonal flow volumes in the TNW. Due to the surrounding agricultural and commercial land uses, the wetland acts as a catch basin for adjacent uplands, filtering sediment, herbicides, pesticides, fertilizers, oil and grease, and other

pollutants and reducing the release of flood waters to the TNW. The wetland reduces nitrogen and phosphorus loading downstream and prevents oxygen depletion that can result from eutrophication. The tributary transports water, nutrients, herbicides, pesticides, fertilizers, sediment, oil and grease, and other pollutants from adjacent uplands to the TNW. The tributary and wetland are essential in providing organic carbon in the form of their collective primary productivity to downstream waters, resulting in the nourishment of the downstream food web in the TNW. The tributary and wetland enhance a variety of wildlife species by providing habitat diversity through vegetation and substrate changes where aquatic systems adjoin uplands. Monitoring performed by the South Carolina Department of Health and Environmental Control (SCDHEC) on Rocky Creek indicates that aquatic life uses are not supported based on macroinvertebrate community data and occurrences of copper in excess of the aquatic life acute criterion. SCDHEC monitoring also indicates that recreational uses are not supported due to fecal coliform bacteria excursions, and that pH and dissolved oxygen concentrations are decreasing in Rocky Creek. Based on the collective functions of the tributary and wetland described above and their importance to the biological, chemical, and physical integrity of the TNW, this office has determined that there is a Significant Nexus between the review area relevant reach and the downstream TNW.

D.		TERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL AT 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: The tributary (S-RPW#2) was observed during the site visit as having features that indicate seasonal flow under normal circumstances: firm sand/silt bottom, continuous bed and bank, natural line impressed on the bank, changes in the character of the soil, shelving, vegetation absent, leaf litter disturbed or washed away, sediment deposition, destruction of terrestrial vegetation, sediment sorting, and scour. A review of the sources referenced in Section IV. A. also indicates that this tributary flows seasonally under normal circumstances. The tributary is depicted as a dashed line on the USDA NRCS soil survey. The tributary is not shown on the USGS topographic map; however, the topographic contours signature indicates a topography conducive to the formation of a tributary. The tributary has approximately 83 acres of drainage area.
		Provide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: 100 linear feet 4-8 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: The site visit on October 13, 2010, confirmed that Wetland A directly abuts the seasonal RPW (S-RPW#2). There is a continuous hydrologic surface connection between Wetland A and the seasonal RPW.
		Provide acreage estimates for jurisdictional wetlands in the review area: 0.736 acres

Provide acreage estimates for jurisdictional wetlands in the review area: **0.736** acres.

Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

⁸See Footnote # 3.

		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. 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). Explain:
E.	SUC	LATED [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. 10 from which fish or shellfish are or could be taken and sold in interstate or foreign commerce. 11 which are or could be used for industrial purposes by industries in interstate commerce. 12 Interstate isolated waters. Explain: 13 Other factors. Explain: 14 Other factors. Explain: 16 Other factors. 18 Other factors. 19 Othe
	Idei	tify water body and summarize rationale supporting determination:
		ride 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	ride 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 ment (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.
		ride acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such ding 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.
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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.

SECTION IV: DATA SOURCES.

A.	SUPI	PORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked
	and	requested, appropriately reference sources below):
	\boxtimes	Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: S&ME , Inc .
	\boxtimes	Data sheets prepared/submitted by or on behalf of the applicant/consultant.
		Office concurs with data sheets/delineation report.
		Office does not concur with data sheets/delineation report.
		Data sheets prepared by the Corps:
	\boxtimes	Corps navigable waters' study: 1977.
	\boxtimes	U.S. Geological Survey Hydrologic Atlas: 03050103-090.
		USGS NHD data.
		USGS 8 and 12 digit HUC maps.
	\boxtimes	U.S. Geological Survey map(s). Cite scale & quad name: 1"=1,000', Chester.
		USDA Natural Resources Conservation Service Soil Survey. Citation: Iredell, page 21.
	\boxtimes	National wetlands inventory map(s). Cite name: U43 .
		State/Local wetland inventory map(s):
		FEMA/FIRM maps:
		100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
	\boxtimes	Photographs: Aerial (Name & Date): 11213:40, 1999 & 2006.
	_	or Other (Name & Date): Photographs taken during site visit October 13, 2010.
		Previous determination(s). File no. and date of response letter:
		Applicable/supporting case law:
		Applicable/supporting scientific literature: .
	\boxtimes	Other information (please specify): South Carolina Department of Health and Environmental Control. 2005. Watershed
	Wa	ter Quality Assessment: Catawba River Basin. Technical Report No.012-05. Bureau of Water, Columbia, South Carolina.
		Site visit October 13, 2010

B. ADDITIONAL COMMENTS TO SUPPORT JD: The waters documented on this form include a seasonal RPW (labeled as "S-RPW#2" on the plat) and its abutting wetland (labeled "Wetland A" on the plat). Seasonal RPWs and their abutting wetlands are jurisdictional according to RGL 07-01; however, Significant Nexus findings for the record are included as required by Rapanos Guidance. Therefore, the waters documented on this form are jurisdictional waters of the U.S.