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 REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): May 16, 2018 DISTRICT OFFICE, FILE NUMBER, FILE NAME: JD Form 1 of 1; SAC-2018-00246 Johnson, Kerry / Tramridge Parcel C. PROJECT LOCATION AND BACKGROUND INFORMATION: State: South Carolina County/parish/borough: Horry County City: Center coordinates of site (lat/long in degree decimal format): Lat. 33.9934° N, Long. -79.1866 ° W. Universal Transverse Mercator: Name of nearest waterbody: Unnamed tributary of Mill Branch Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Little Pee Dee River Name of watershed or Hydrologic Unit Code (HUC): 03040204-07 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: Field Determination. Date(s): March 14, 2018 **SECTION II: SUMMARY OF FINDINGS** A. RHA SECTION 10 DETERMINATION OF JURISDICTION. There Are no "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review 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. B. CWA SECTION 404 DETERMINATION OF JURISDICTION. There 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): 1 TNWs, including territorial seas Wetlands adjacent to TNWs Relatively permanent waters² (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: 3.5 a. (Jurisdictional Wetland 1) + 0.06 a. (Jurisdictional Wetland 2) + 0.97 a. (Jurisdictional Wetland 3) = 4.53 acres. c. Limits (boundaries) of jurisdiction based on: 1987 Delineation Manual, Pick List, Pick List Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable): ³ [Including potentially jurisdictional features that upon

assessment are NOT waters or wetlands

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.

| | l | Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain: |
|-----|-----------------------------------|--|
| SEC | CTION | III: CWA ANALYSIS |
| A. | TNW | s AND WETLANDS ADJACENT TO TNWs |
| | Secti | agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete on 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 Section III.D.1.; otherwise, see Section III.B below. |
| | | TNW Identify TNW: |
| | : | Summarize rationale supporting determination: . |
| | | Wetland adjacent to TNW Summarize rationale supporting conclusion that wetland is "adjacent": |
| В. | СНА | RACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY): |
| | | section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps rmine whether or not the standards for jurisdiction established under <i>Rapanos</i> have been met. |
| | water mont (pere | agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent rs" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 chs). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round ennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, to Section III.D.4. |
| | EPA relati | tland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and regions will include in the record any available information that documents the existence of a significant nexus between a ively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even gh a significant nexus finding is not required as a matter of law. |
| | water consi analy the tr | e waterbody ⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the rbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must der the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for vicial purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is ributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for ributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite 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: Pick List; Drainage area: Pick List 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. Project waters cross or serve as state boundaries. Explain:

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

| | | Identify flow route to TNW ⁵ : Tributary stream order, if known: |
|-------|-----|--|
| | (b) | 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 changes in the character of soil shelving vegetation matted down, bent, or absent leaf litter disturbed or washed away 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: |
| (iii) | Cha | emical Characteristics: racterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: tify specific pollutants, if known: |

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.

| | (iv) | Biological 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 | racteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW |
| | (i) | Physical 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) | Chemical Characteristics: Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: Identify specific pollutants, if known: |
| | (iii) | Biological 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 wetlands adjacent to the tributary (if any) All wetland(s) being considered in the cumulative analysis: Pick List Approximately () 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:

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:

 $Documentation\ for\ the\ Record\ only:\ Significant\ nexus\ findings\ for\ seasonal\ RPWs\ and/or\ wetlands\ abutting\ seasonal\ RPWs:$

| D. | DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL |
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| | 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. |
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| 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: The off-site tributary was determined to have perennial flow based on a review of the aerials, |

| Provide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: linear feet width (ft). Other non-welland waters: acres. Identify type(s) of waters: 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-welland waters: acres. Identify type(s) of waters: dentify type(s) of waters: dentify type(s) of waters: width (ft). Wetlands directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is prennal in Section III.D. 2, above. Provide rationale indicating that wetland is directly abutting an RPW: Jurisdictional Wetlands 1, 2, and 3 were determined to directly abut the off site tributary. The entire site is mapped uplands on the NNIs (U42P); however, the on site wetlands are mapped Rutledge, a hydric soil, on the soil survey. Although Jurisdictional Wetlands 1, 2, and 3 are separate from each other on site, they all continue off the property boundary and are portions of the same wetland system. Jurisdictional Wetlands 2 and sontine north off site. To off site tributary originates west of the project site and continues northeast and then southeast until it flows int MIII Branch. Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that tributary seasonal in Section III.B and rationale in Section III.D.2, above. Provide artionale indicating that tributary seasonal in Section III.B and rationale in Section III.D.2, above. Provide art | | linear feature and a solid blue line, respectively. The soil survey maps this tributary as Rutledge, a hydric soil. The NWIs map this tributary as palustrine forested wetlands (PFO1B). According to the aerials and the LIDAR, this tributary has been man-altered to flow through a pasture located north of the site. This tributary then flows south int Mill Branch, which flows west toward the Little Pee Dee River, a TNW. |
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| Tributary waters: linear feet width (ft). | | jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows |
| 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: Identify type(s) of waters: Wetlands directly abutting an RPW that flow directly or indirectly into TNWs. 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: Jurisdictional Wetlands 1, 2, and 3 were determined to directly abut the off site tributary. The entire site is mapped uplands on the NWIS (142P); however, the on site wetlands are mapped Rutledge, a hydric soil, on the soil survey. Although Jurisdictional Wetlands 1, 2, and 3 are separate from eac other on site, they all continue off the property boundary and are portions of the same wetland system. Jurisdictional Wetland 1 continues west off site and Jurisdictional Wetlands 2, and 3 arcsinue north off site. Ti off site tributary originates west of the project site and continues northeast and then southeast until it flows int Mill Branch. Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that twetland in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that twetland in Section III.B and rationale in Section III.D.2, above. Provide acreage estimates for jurisdictional wetlands in the review area: a.s. Settlement of the section III.C. Provide acreage estimates for jurisdictional wetlands in the review area: acres. Wetlands adjacent to but not directly | | Tributary waters: linear feet width (ft). Other non-wetland waters: acres. |
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| 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: Jurisdictional Wetlands 1, 2, and 3 were determined to directly abut the off site tributary. The entire site is mapped uplands on the NWIs (U42P); however, the on site wetlands are mapped Rutledge, a hydric soil, on the soil survey. Although Jurisdictional Wetlands 1, 2, and 3 are separate from each other on site, they all continue off the property boundary and are portions of the same wetland system. Jurisdictional Wetland 1 continues west off site and Jurisdictional Wetlands 2 and 3 continue north off site. The off site tributary originates west of the project site and continues northeast and then southeast until it flows int Mill Branch. ☐ Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary 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: 3.5 a. (Jurisdictional Wetland 1) + 0.06 a. (Jurisdictional Wetland 2) + 0.97 a. (Jurisdictional Wetland 3) = 4.53 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 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 acreage estimates for jurisdictional wetlands in the review area: acres. Metlands adjacent to non-RPWs that flow direc | | ☐ Tributary waters: linear feet width (ft). ☐ Other non-wetland waters: acres. |
| 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: 3.5 a. (Jurisdictional Wetland 1) + 0.06 a. (Jurisdictional Wetland 2) + 0.97 a. (Jurisdictional Wetland 3) = 4.53 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 adjacend 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 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 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 meets the criteria for one of the categories presented above (1-6), or | 4. | 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: Jurisdictional Wetlands 1, 2, and 3 were determined to directly abut the off site tributary. The entire site is mapped uplands on the NWIs (U42P); however, the on site wetlands are mapped Rutledge, a hydric soil, on the soil survey. Although Jurisdictional Wetlands 1, 2, and 3 are separate from each other on site, they all continue off the property boundary and are portions of the same wetland system. Jurisdictional Wetland 1 continues west off site and Jurisdictional Wetlands 2 and 3 continue north off site. The off site tributary originates west of the project site and continues northeast and then southeast until it flows into |
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| Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjace 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. 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 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. 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). | (Ju | |
| 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 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). | 5. | 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 |
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| 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). | 6. | 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 |
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| | 7. | 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). |

topographic map, soil survey, NWIs, and LIDAR. The aerials and topographic map depict this tributary as a shaded

⁸See Footnote # 3.

⁹ To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

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 $^{^{10}}$ 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 $\it Memorandum~Regarding~CWA~Act~Jurisdiction~Following~Rapanos.$

| \boxtimes | National wetlands inventory map(s). Cite name: The entire site is mapped uplands (U42P). |
|-------------|--|
| | 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): SCDNR 2006, 99:11222:74; The aerials depict this site as undeveloped and forested |
| | 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): |
| | |

B. ADDITIONAL COMMENTS TO SUPPORT JD: Jurisdictional Wetlands 1, 2, and 3 were determined to directly abut the off site tributary. The entire site is mapped uplands on the NWIs (U42P); however, the on site wetlands are mapped Rutledge, a hydric soil, on the soil survey. Although Jurisdictional Wetlands 1, 2, and 3 are separate from each other on site, they all continue off the property boundary and are portions of the same wetland system. Jurisdictional Wetland 1 continues west off site and Jurisdictional Wetlands 2 and 3 continue north off site. The off site tributary originates west of the project site and continues northeast and then southeast until it flows into Mill Branch.

The off-site tributary was determined to have perennial flow based on a review of the aerials, topographic map, soil survey, NWIs, and LIDAR. The aerials and topographic map depict this tributary as a shaded linear feature and a solid blue line, respectively. The soil survey maps this tributary as Rutledge, a hydric soil. The NWIs map this tributary as palustrine forested wetlands (PFO1B). According to the aerials and the LIDAR, this tributary has been man-altered to flow through a pasture located north of the site. This tributary then flows south into Mill Branch, which flows west toward the Little Pee Dee River, a TNW.