#### 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	L DETERMINATION (J	D): November 1	1, 2021
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	В.	DISTRICT OFFICE,	, FILE NAME,	AND NUMBER:	CENAP-OPR 2016-003	391 Nestle Purina l	Petcare Company I	Н
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B.	DISTRICT OFFICE, FILE NAME, AND NUMBER: CENAP-OPR 2016-00391 Nestle Purina Petcare Company LH
C.	PROJECT LOCATION AND BACKGROUND INFORMATION:  State: Pennsylvania County/parish/borough: Lehigh County City: South Whitehall Township Center coordinates of site (lat/long in degree decimal format): Lat. 40.616522° N, Long75.572314° W.  Universal Transverse Mercator: 18  Name of nearest waterbody: Jordan Creek  Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Lehigh River.  Name of watershed or Hydrologic Unit Code (HUC): 0204010606  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: Novermber 24, 2021 ☐ Field Determination. Date(s):
SEC A.	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 lew 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:
B.	CWA SECTION 404 DETERMINATION OF JURISDICTION.
The	ere are and are not "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 <sup>2</sup> (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 1.79 acres.  Wetlands: 3.912 acres.
	c. Limits (boundaries) of jurisdiction based on: Pick List Elevation of established OHWM (if known):
	2. Non-regulated waters/wetlands (check if applicable): <sup>3</sup> ☑ Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain: Wetland 9 has no surface water connection to any Water of the United States and does not provide any biological, chemical or physical benefit to the integrity of a downstream TNW. The wetland is situated between a road, parking lot and upland forest and does not likely connect to the nearby RPW during high water events .

<sup>&</sup>lt;sup>1</sup> Boxes checked below shall be supported by completing the appropriate sections in Section III below.

<sup>&</sup>lt;sup>2</sup> 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).

<sup>&</sup>lt;sup>3</sup> 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.

1.	TNW Identify TNW:	
	Summarize rationale supporting determination:	

#### 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 waterbody 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: 82.3 acres Drainage area: 82.3 acres Average annual rainfall: 45.3 inches Average annual snowfall: 29.2 inches

(ii) Physical Characteristics: (a) Relationship with TNW: ☐ Tributary flows directly into TNW. Tributary flows through 3 tributaries before entering TNW. Project waters are 10-15 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: Identify flow route to TNW5: UNT to Jordan Creek to Jordan Creek to Little Lehigh River to Lehigh River . Tributary stream order, if known:

<sup>&</sup>lt;sup>4</sup> Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid

<sup>&</sup>lt;sup>5</sup> 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.

	(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: 4 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: The tribuarties appear to be stable. Presence of run/riffle/pool complexes. Explain: No .  Tributary geometry: Relatively straight  Tributary gradient (approximate average slope): 2 %
	(c)	Flow: Tributary provides for: Ephemeral flow Estimate average number of flow events in review area/year: 20 (or greater) Describe flow regime: Flow is driven by stormwater and sheet flow. Other information on duration and volume:
		Surface flow is: <b>Discrete and confined.</b> Characteristics: All features .
		Subsurface flow: Unknown. Explain findings:  Dye (or other) test performed:
		Tributary has (check all that apply):  ☐ Bed and banks ☐ OHWM <sup>6</sup> (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. <sup>7</sup> Explain:  ☐ Eagland apply): ☐ the presence of litter and debris destruction of terrestrial vegetation ☐ the presence of wrack line ☐ sediment sorting ☐ scour ☐ multiple observed or predicted flow events ☐ abrupt change in plant community ☐ other (list): ☐ Discontinuous OHWM. <sup>7</sup> 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: aracterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: Water is clear and appears to be free of contaminants. Generally, this watershed is highly developed. Wetlands and streams serve increasingly imporant functions and services as these features become less numerous and more impaired by surrounding development.  https://example.com/reasingly/reasingles/reasingly/reasingles/reasingles/reasingly/reasingles/

<sup>&</sup>lt;sup>6</sup>A 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.

<sup>7</sup>Ibid.

	(iv)	Biol	logical Characteristics. Channel supports (check all that apply):  Riparian corridor. Characteristics (type, average width):  Wetland fringe. Characteristics: Wetlands abut EPH-2, EPH-3, and EPH-4.  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	ıract	eristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW
	(i)		Sical Characteristics:  General Wetland Characteristics: Properties:  Wetland size: The range is wetland 0.403 to 1.006 acres Wetland type. Explain: PEM wetlands.  Wetland quality. Explain:Wetlands are of moderate quality and serve an important role in filtering stormwater prior
to e	ntry i	nto R	PWs . Project wetlands cross or serve as state boundaries. Explain:
that	they	. ,	General Flow Relationship with Non-TNW: Flow is: Intermittent flow. Explain: Wetlands likely provide intermittent flow to the perennial and ephemeral streams
uia	incy	aoui.	
			Surface flow is: Overland sheetflow Characteristics: No discrete channels.
			Subsurface flow: Unknown. 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 10-15 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 2 - 5-year floodplain.
	(ii)	Che	emical Characteristics:
			racterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: Water is clear and probably of moderate quality. The watershed is highly developed, which increases the importance of the functions and services that the remaining wetlands provide. titify specific pollutants, if known:
			Riparian buffer. Characteristics (type, average width):Upland, harwood forest with an average width of 70 feet.  Vegetation type/percent cover. Explain: Emergent vegetation, approximately 100% cover.  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	ıract	eristics of all wetlands adjacent to the tributary (if any)

# 3.

All wetland(s) being considered in the cumulative analysis: 3

Approximately (1.472) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)
Wetland 8 (Y)	0.403 acre		
Wetland 9 (N)	0.063 acre		
Wetland 10 (Y)	1.006 acre		

Summarize overall biological, chemical and physical functions being performed: The abutting wetlands (W8 and W10) provide valuable biological, chemical and physical functions. The wetlands provide valuable chemical functions in the form of nutrient cycling, water storage, and pollutant filtering. The wetlands also provide habitat for a number of wildlife species that depend on wetlands for some portion of their lifecycle including reptiles, amphibians, birds, and aquatic macroinvertebrates. Wetland 9 likely provides limited biological, chemical and physical functions as it is relateively small, surrounded by uplands and has no known surface connection to the adjacent non-RPW. It may perform some filtering of pollutants from stormwater runoff but does not likely provide much value for wildlife habitat or chemical processes.

#### 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: Ephermeral streams 1-4 and Wetlands 8 and 10, which abut Ephemeral streams 2,3, and 4, provide significant biological, chemical and physical functions to downstream TNW. The wetlands provide valuable pollutant filtering from stormwater runoff in this highly developed area and act as buffer between runoff from impervious surfaces and the ephemeral waters within the project area.
- 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: Wetland 9 has no surface connection to a water of the United States and provides only speculative benefits to the biological, chemical, and physical integrity of a downstream TNW. The wetland is located outside of any active floodplain and likely recives most of its hydrology from an upslope parking lot and road. The road acts as a barrier to any potential connection to the nearest RPW.

# D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL 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.	<ul> <li>RPWs that flow directly or indirectly into TNWs.</li> <li>☑ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: Perennial tributaries (Streams 1A, 1B, 2A, 2B, 2C, 2D, 3A, 4A, and 5A) were found to be flowing on site visits by the agent and by the Corps.</li> <li>☑ 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: Stream 6A was observed flowing on site visits by the applicant's agent and the Corps, however, the stream has a relatively low baseflow and likely stops flowing in drier portions of the year. Observed flows were not in direct response to rainfall or stormwater runoff.</li> </ul>
	Provide estimates for jurisdictional waters in the review area (check all that apply):  ☐ Tributary waters: 3665 linear feet of varying width (ft).  ☐ Other non-wetland waters: 0.972 acres.  Identify type(s) of waters: An on-line open water impoundment created by a dam on Stream 2A.
3.	Non-RPWs <sup>8</sup> 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: 162 linear feet of varying 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 1, 2, 4, 5, 6, 7 and 11 abut perennial streams confirmed in the applicant's wetland delineation report and a site visit by the Corps .  ■ 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: 2.503 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: 1.409 acres.
7.	Impoundments of jurisdictional waters. <sup>9</sup> 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

 $<sup>^8 \</sup>rm See$  Footnote # 3.  $^9$  To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

	Demonstrate that water is isolated with a nexus to commerce (see E below).
E.	ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH 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:  Identify water body and summarize rationale supporting determination:
	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:  Wetlands: acres.
	NON-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: Wetland 9 is an adjacent wetland that does not directly abut an RPW where there would be no likely ecological interconnection.  Other: (explain, if not covered above): Three of the features on the plan, Stormwater Control Feature (SW) 1, 2, and 3 are tof an active NPDES permit, were created in uplands and regulated under Section 402 of the Clean Water Act and thus are not sidered Waters of the United States.
	Provide acreage estimates for non-jurisdictional waters in the review area, where the <u>sole</u> potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (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.
	Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding 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: 0.63 acres.
	SUPPORTING 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):  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.  Office concurs with data sheets/delineation report.  Office does not concur with data sheets/delineation report.  Data sheets prepared by the Corps:  Corps navigable waters' study:  U.S. Geological Survey Hydrologic Atlas:

 $<sup>^{10}</sup>$  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.

	USGS NHD data.
	USGS 8 and 12 digit HUC maps.
U	J.S. Geological Survey map(s). Cite scale & quad name: .
⊠ U	JSDA Natural Resources Conservation Service Soil Survey. Citation: Submitted as part of AJD application pacakge, dated
10/202	21.
$\boxtimes$ N	Vational wetlands inventory map(s). Cite name:Submitted as part of AJD application pacakge, dated 10/2021.
☐ S	tate/Local wetland inventory map(s): .
$\boxtimes$ F	EMA/FIRM maps:Submitted as part of AJD application pacakge, dated 7/7/2021.
<b>1</b>	00-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
⊠ P	Photographs: Aerial (Name & Date):
	or Other (Name & Date): Field photos of aquatic features including in application package, dated 10/2021.
□ P	revious determination(s). File no. and date of response letter: .
□ A	Applicable/supporting case law: .
□ A	Applicable/supporting scientific literature: .
	Other information (please specify):

# B. ADDITIONAL COMMENTS TO SUPPORT JD: .