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.

SE	CTION I: BACKGROUND INFORMATION
	REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 3/8/2023
	DISTRICT OFFICE, FILE NAME, AND NUMBER: Fort Worth District, SWF-2022-00471
C.	PROJECT LOCATION AND BACKGROUND INFORMATION:
	State: Texas County: Kaufman City: Mesquite
	Center coordinates of site (lat/long in degree decimal format): Lat. 32.688355 N, Long96.481357 W.
	Universal Transverse Mercator:
	Name of nearest waterbody: Mustang Creek
	Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Trinity River
	Name of watershed or Hydrologic Unit Code (HUC): 120301060505
	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.
	on a different 3D form.
D	REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):
ν.	Office (Desk) Determination. Date:
	Field Determination. Date(s): 1/17/2023
SE	CTION II: SUMMARY OF FINDINGS
A.	RHA SECTION 10 DETERMINATION OF JURISDICTION.
The	ere Are No "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part
329	<u>n</u> 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. Explain: .
n	CWA CECTION 404 DETERMINATION OF HIDIODICTION
	CWA SECTION 404 DETERMINATION OF JURISDICTION.
1110	ere Are "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.
	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 (See attached tables):
	Non-wetland waters: 4360 linear feet for 2 ephemeral streams and 13.95 acres for 3 open water ponds
	Wetlands: acres.
	Limits (houndaries) of invisdiation based on 1007 Delineation Manuel and OHVM indicators
	c. Limits (boundaries) of jurisdiction based on: 1987 Delineation Manual and OHWM indicators.
	Elevation of established OHWM (if known): Unknown.
	2. Non-regulated waters/wetlands (check if applicable): ³
	Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to not be
	jurisdictional. Explain:
	Januare action. Expression

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.

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 n

1. Characteristics of <u>non-TNWs tributaries</u> that flow directly or indirectly into TNW

(i) Genera	l Area	Conditions
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Watershed size: 455 acres. Drainage area: -- acres

Average annual rainfall: 42 inches Average annual snowfall: 1 inches

Average depth: 7 feet Average side slopes: 2:1

Primary tributary substrate composition (check all that apply):

(ii) Physical Characteristics:

	Thysical Characteristics.
a)	Relationship with TNW:
	Tributary flows directly into TNW.
	Tributary flows through 2 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 12.74 aerial (straight) miles from TNW.
	Project waters are 700 aerial (straight) feet from RPW.
	Project waters cross or serve as state boundaries. No Explain:
	Identify flow route to TNW ⁵ : Site drains via 3 ephemeral sub-reaches into Mustang Creek which flows
	into East Fork Trinity River which flows into Trinity River, a TNW.
	Tributary stream order, if known: Two of the sub-reaches are first order and the middle is second order.
	(b) General Tributary Characteristics (check all that apply):
	Tributary is:
	Natural. Explain: All 3 channels are natural drainages in ag fields with 2 large
	impoundments constructed on 2 of them.
	Artificial (man-made). Explain:
	Manipulated (man-altered). Explain: Heavily grazed, impoundments exist, and channels are
	incised.
	Tributary properties with respect to top of bank (estimate):
	Average width: 4 feet

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.

	⊠ Silts □ Cobbles □ Deducate	Sands Gravel	Concrete Muck
	☐ Bedrock☐ Other. Explain:	☐ Vegetation. Type/% o	cover:
		llity [e.g., highly eroding, slo	oughing banks]. Explain: Stable in most areas with
some erodi		, [8-,8,8,	
	Presence of run/riffle/po	ol complexes. Explain:	
	Tributary geometry: Rel		
	Tributary gradient (appro	oximate average slope): 1 %	•
	(c) <u>Flow:</u>		
	Tributary provides for: I	Enhemeral	
	• •	r of flow events in review ar	rea/year: 11-20
	Describe flow regin		·
	Other information on du		
		e and confined. Characterist	
		v: Unknown . Explain findir	ngs: .
	☐ Dye (or other) te		
	Bed and banks	check all that apply):	
	<u> </u>	all indicators that apply):	
		l line impressed on the bank	the presence of litter and debris
		ne character of soil	destruction of terrestrial vegetation
	shelving		the presence of wrack line
	vegetation m	atted down, bent, or absent	sediment sorting
		turbed or washed away	scour
	sediment de		multiple observed or predicted flow events
	water staining	g	abrupt change in plant community
	other (list):	JIWM 7 Eveleine	
		OHWM. ⁷ Explain: .	nine lateral extent of CWA jurisdiction (check all that
	apply):	JII W WI WEIE USED TO DETERM	inic fateral extent of ewa jurisdiction (check all that
		ine indicated by:	Mean High Water Mark indicated by:
			survey to available datum;
			physical markings;
		kings/characteristics	vegetation lines/changes in vegetation types.
	tidal gauges		
···	other (list):	•	
) Chemical Characterist		ed, oily film; water quality; general watershed
	• · · · · · · · · · · · · · · · · · · ·	The state of the s	site visit or in consultant report. Anticipated that
			resence of cattle and overgrazing with bare areas
		oundments clear except du	
		f known: E. coli from cattle	
(1 \ D	1 1 1 61		
		Channel supports (check	
	b-reach.	icteristics (type, average wit	hth): Average width is 30 to 400 feet depending on the
		eristics: Transitional emer	gent wetland/open water fringe exists on the 2
	poundments that feed in		gene wedana/open water iringe exists on the 2
	Habitat for:	<u> </u>	
	Federally Listed spec		
	-	plain findings: Impoundme	ents are large enough to contain fish and support life
	cycles.		

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.

		 ☑ Other environmentally-sensitive species. Explain findings: Wading birds and neo-tropical migrants can utilize forested riparian areas and water features. ☑ Aquatic/wildlife diversity. Explain findings: Impoundments provide full lfe cycle of game and nongame fish. Storm releases give fish access to Mustang Creek.
2.	(i) Phy	eteristics of <u>wetlands</u> adjacent to non-TNW that flow directly or indirectly into TNW ysical 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:
		aracterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general tershed characteristics; etc.). Explain:
		entify specific pollutants, if known:
	(iii) <u>Bi</u> o	ological Characteristics. Wetland supports (check all that apply):
	님	Riparian buffer. Characteristics (type, average width):
	H	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.	Charac	eteristics of all wetlands adjacent to the tributary (if any)
٠.		wetland(s) being considered in the cumulative analysis: Pick List
		proximately () 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)
		Directly abdus: (1711) Size (iii acres) Directly abdus: (1711) Size (iii 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: The 2 ephemeral streams and the 2 large impoundments constructed on them contribute directly into Mustang Creek and SCS Site 11 Reservoir which provides hydrologic support to those waters as well as a sediment source to support natural channel processes as detailed in EPA's The Ecological and Hydrological Significance of Ephemeral and Intermittent Streams in the Arid and Semi-arid American Southwest and Understanding Processes and Downstream Linkages of Headwater Systems (Gomi et al, BioScience Vol. 52 No. 10, October 2002). These 2 features provide the critical services to assist conditions in Mustang Creek and the receiving TNW.
- 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 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.	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-RPWs⁸ that flow directly or indirectly into TNWs.

⁸See Footnote # 3.

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. 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 tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide data indicating that wetland is directly abutting an RPW: Provide acreage estimates for jurisdictional wetlands in the review area: acres. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands adjacent to not incertly 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 jurisdictional. 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 and with similarly situated adjacent vellands, 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. 1. Impoundments of jurisdictional wetlands in the review area: acres. 2. 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.," Both impoundments were constructed on existing channels as demonstrated by presence of natural channels upstream of both feature		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: 1660 and 2700 linear feet 4 width (ft). Other non-wetland waters: acres. Identify type(s) of waters: .
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 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 and with similarly situated adjacent wetlands, a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C. Provide estimates for jurisdictional waters. 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.," Both impoundments were constructed on existing channels as demonstrated by presence of natural channels upstream of both features and aerial photos of 1956 and 1961. 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). 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 commerce. which are or could be used for industrial purposes by industries in interstate commerce. which are or could be used for industrial purposes by industries in interstate commerce. Interstate isolated waters. Explain: Other factors. Explain: Other factors. Explain: Other factors. Explain: Other factors. Ex	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: 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:
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, 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.," Both impoundments were constructed on existing channels as demonstrated by presence of natural channels upstream of both features and aerial photos of 1956 and 1961. 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). 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: 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:	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 conclusion is provided at Section III.C.
As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional. Demonstrate that impoundment was created from "waters of the U.S.," Both impoundments were constructed on existing channels as demonstrated by presence of natural channels upstream of both features and aerial photos of 1956 and 1961. 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). 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:	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, a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.
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:	7.	As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional. Demonstrate that impoundment was created from "waters of the U.S.," Both impoundments were constructed on existing channels as demonstrated by presence of natural channels upstream of both features and aerial photos of 1956 and 1961. or Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
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:	DE	GRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, CLUDING 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:
		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:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

E.

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.

 ☐ 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):
ISOLATED - Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigate 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.
FAILS SIGNIFICANT NEXUS - 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: acres.
A. 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: USGS NHD data. USGS NHD data. USGS and 12 digit HUC maps. U.S. Geological Survey map(s). Cite scale & quad name: USDA Natural Resources Conservation Service Soil Survey. Citation: National wetlands inventory map(s). Cite name: State/Local wetland inventory map(s): FEMA/FIRM maps: Online viewer. 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Photographs: Aerial (Name & Date): All Google Earth imagery and HistoricAerials.com. or Other (Name & Date): Consultant report on-site photos. Previous determination(s). File no. and date of response letter: Applicable/supporting case law: Applicable/supporting scientific literature: Other information (please specify): APT output.

B. ADDITIONAL COMMENTS TO SUPPORT JD: .

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 I	NFORMATION
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- A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 3/8/2023
- B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Fort Worth District, SWF-2022-00471 Talia Site
- C. PROJECT LOCATION AND BACKGROUND INFORMATION:

County: Kaufman City: Mesquite

Center coordinates of site (lat/long in degree decimal format): Lat. 32.688355 N, Long. -96.481357 W. Universal Transverse Mercator:

Name of nearest waterbody: Mustang Creek

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Trinity River

Name of watershed or Hydrologic Unit Code (HUC): 120301060505

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): 1/17/2023

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. Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There Are No "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

Waters of the U.S.

rs of the U.S.

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 indirect

Non-RPWs that flow directly or indirectly into TNWs

Wetlands directly abutting RPWs that flow directly or indirectly in Wetlands adjacent to but not directly abutting the RPWs that flow directly or indirectly in the Wetlands adjacent to non-RPWs that flow directly or indirectly in Improveduents of individual seasons.

Wetlands adjacent to TNWs
Relatively permanent waters' (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

Identify (estimate) size of waters of the U.S. in the review area (See attached tables):
 Non-wetland waters: – linear feet and – acres total for open water ponds Wetlands: – acres.

c. Limits (boundaries) of jurisdiction based on: 1987 Delineation Manual and OHWM indicators.

Elevation of established OHWM (if known): Unknown.

Non-regulated waters/wetlands (check if applicable):³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to not be jurisdictional. Explain: The site contains 2 preamble stock tanks (IP-2 and IP-3) constructed in uplands based on the site visit and review of aerial imagery that total 0.45 acres. There are 7 reaches of remnant channels (1 with an on-channel pond [IP-1] & associated wetland [IW-1]) with OWHMs that lose their OHWM downstream with sheet flow reaches. These 7 remnant channels and the one pond and wetland are isolated totaling 3,838 feet, 0.6 acres, and 0.35 acres. RC-1 drains into an area of sheet flow for more than 475 feet. There is a complete loss of OHWM through this reach. RC-2 drains into IW-1 (wetland) and IP-1 (pond). The pond does not have an outlet but an uncontrolled corner spillway that shows no evidence of flow or spilling both onsite and on aerial imagery. Sheet flow may occur for a reach of more than 370 feet from the pond through an area that that has no OHWM downslope to ephemeral stream E-2. RC-3 has a break of 743 feet while RC-4 thru RC-6 have breaks of 330 feet, 220 feet, and 140 feet. RC-3 thru RC-6 also lead into a large off-site pond that has no control outlet nor spillway and has no surface connection to a

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.

surface water feature which located more than 1000 feet downslope. RC-7 drains into agricultural fields and turns into sheet flow with no discernible connection to any surface water feature for more than 1000 feet which itself is isolated.

SECTION III: CWA ANALYSIS
A. TNWs AND WETLANDS ADJACENT TO TNWs

INVISIANDS ADDACENT TO TIVE
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 Section III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

1. TNW

Identify TNW:

Summarize rationale supporting determination:

Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent":

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

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 abutts an RPW is also jurisdictional. 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 flowing is not required as a matter of law. If the waterbody's 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, is used whether the review are identified in the JD request is 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 are identified in the JD request is the tributary, or its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary on the discent wetlands. The other tributary with adjacent wetlands, complete Section III.B. If or the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands

Chara (i)	acteristic Gener	s of <u>non-TNWs tributaries</u> that flow directly or indirectly into TNW al Area Conditions:	
()	Waters	hed size: acres.	
		shed size; acres. ge area: acres	
		ge annual rainfall: inches	
	Avera	ge annual snowfall: inches	
(ii)		Physical Characteristics:	
()	(a)	Relationship with TNW:	
		☐ Tributary flows directly into TNW.	
		□ Tributary flows through 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 aerial (straight) miles from TNW.	
		Project waters are aerial (straight) miles from RPW.	
		Project waters cross or serve as state boundaries. No Explain:	
		Identify flow route to TNW ⁵ : .	
		Tributary stream order, if known:.	
		(b) General Tributary Characteristics (check all that apply):	
		Tributary is: Natural. Explain:	
		☐ 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 ☐ Muck
		☐ Cobbles ☐ Gravel ☐ Vegetation. Type/% cover:	□ Muck
		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): %	
		Tributary gradient (approximate average stope). == 70	
		(c) <u>Flow:</u>	
		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: 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 ☐ the presence	of litter and debris
		changes in the character of soil	destruction of terrestrial vegetation
		shelving vegetation matted down, bent, or absent	☐ the presence of wrack line ☐ sediment sorting
		leaf litter disturbed or washed away	scour sorting
		sediment deposition	☐ multiple observed or predicted flow events
		water staining	 abrupt change in plant community
		other (list):	
		□ Discontinuous OHWM. Explain: If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check	all that anniv)
		High Tide Line indicated by: Mean High Water Mark indicated by:	an that appry).
		oil or scum line along shore objects	☐ survey to available datum;
		fine shell/debris deposits (foreshore)	physical markings;
		 □ physical markings/characteristics □ tidal gauges 	□ vegetation lines/changes in vegetation types.
		other (list):	
	(iii)	Chemical Characteristics:	
_		terize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed cha	racteristics, etc.). Explain:.
Ic	dentify sp	ecific pollutants, if known:	
(iv) F	Biological	Characteristics. Channel supports (check all that apply):	
(, 1	Ō	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:	

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

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.

2.	(i) Phys	cs of <u>wetlands</u> adjacent to non-TNW that flow directly or indirectly into TNW ical 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: Dyc (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.
		Chemical Characteristics: acterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:. specific pollutants, if known:.
		ogical 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.	Characteristi	cs of all wetlands adjacent to the tributary (if any) retland(s) being considered in the cumulative analysis: Pick List
	Appı	oximately () acres in total are being considered in the cumulative analysis. ach wetland, specify the following:
		Directly abuts? (Y/N) Size (in acres) Directly abuts? (Y/N) Size (in acres)
		rerall biological, chemical and physical functions being performed:.
A sign	ificant nexus ar	US DETERMINATION talysis 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,
physic	al and/or biolog	ty 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, cical 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,
betwe	en a tributary a	formed 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 nd the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus. ween 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:
•		tarry, 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 tribu Does the tribu	tary, 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? tary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs? tary, 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 no Section III.D:	exus 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
2.		exus 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 with all of its adjacent wetlands, then go to Section III.D:
3.		exus 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 go to Section III.D:.
DETE	RMINATIONS	OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):
1.	■ TNWs:	djacent Wetlands. Check all that apply and provide size estimates in review area: linear feet width (ft), Or, acres. djacent to TNWs: acres.
2.	Tributarie Tributarie	ow directly or indirectly into TNWs. s of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: s 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
	Prov	tary flows seasonally: de estimates for jurisdictional waters in the review area (check all that apply): ributary waters: linear feet width (ft). Other non-wetland waters: acres.
	3 Non DD	Identify type(s) of waters: Ws ^a that flow directly or indirectly into TNWs.
	Provide estim	by 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. attacks for jurisdictional waters within the review area (check all that apply): "ributary waters: linear feet width (ft). The non-wetland waters: acres.
	Water 1 "	Identify type(s) of waters:
4.	■ Wetl	ectly abutting an RPW that flow directly or indirectly into TNWs. ands directly abut RPW and thus are jurisdictional as adjacent wetlands. Vetlands 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 provide the section of the section of the section III.D.2 above.
		indicating that tributary is perturbate in Section III.D.2, above. Provide rationale indicating that wettain is directly abutting an RPW: Vetlands 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: wetland is directly abutting an RPW: ge estimates for jurisdictional wetlands in the review area: acres.
5.	Wetlands adj	acent to but not directly abutting an RPW that flow directly or indirectly into TNWs.
	☐ Wetl Data	ands 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. supporting this conclusion is provided at Section III.C. ge 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 and with similarly situated adjacent wetlands, 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.

C.

	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).	
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.	
F.	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: ☐ Other: (explain, if not covered above): Two (2) preamble stock tanks totaling 0.45 acres exist in the assessment area as described in section II.b.2.	
	ISOLATED - 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): 3838 linear feet 2 width (ft). Lakes/ponds: 0.6 acres. Other non-wetland waters: acres. List type of aquatic resource: Wetlands: 0.35 acres.	
	FAILS SIGNIFICANT NEXUS - 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: acres.	
SECTION IV: DATA SOURCES.		
Α.	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: ☐ USGS NHD data. ☑ USGS 8 and 12 digit HUC maps. Online viewer ☑ U.S. Geological Survey map(s). Cite scale & quad name: ☑ USDA Natural Resources Conservation Service Soil Survey. Citation: 	
	National wetlands inventory map(s). Cite name: State/Local wetland inventory map(s):	

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.

\boxtimes	FEMA/FIRM maps: Online viewer.
	100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
\boxtimes	Photographs: Aerial (Name & Date): All Google Earth Imagery.
	or 🛛 Other (Name & Date): Consultant report on site photos.
	Previous determination(s). File no. and date of response letter:
	Applicable/supporting case law: .
	Applicable/supporting scientific literature: .
\boxtimes	Other information (please specify): APT output for date of site visit.

B. ADDITIONAL COMMENTS TO SUPPORT JD: .