

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

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

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 16 March 2017

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Galveston District, SWG-2016-00698 San Jacinto River and Rail Park, Isolated Wetlands

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: Texas County/Parish: Harris City: Sheldon
Center coordinates of site (lat/long in degree decimal format, NAD-83): Lat. See table° N, Long. ° W;
Universal Transverse Mercator: UTM: 15, See table N., E.,NAD: 83
Name of nearest water body: San Jacinto River
Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: N/A
Name of watershed or Hydrologic Unit Code (HUC): 12040104 - Buffalo - San Jacinto

- 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: 15 March 2017
 Field Determination. Date(s): 26 January 2017, 7 March 2017

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. **[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: acres

c. Limits (boundaries) of jurisdiction based on: **Pick List**

Elevation of established OHWM (if known):

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

- Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.
Explain: Based on review of available information and the 26 January and 7 March 2017 site visits, we have determined that the 15 wetland polygons ("Wetland A", "Wetland B", "Wetland C", "Wetland D", "Wetland E", "Wetland F", and "Wetland G/H", "Wetland I", "Wetland M", "Wetland N", "Wetland AA", "Wetland BB", "Wetland CC", "Wetland DD", and

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.

“Wetland EE”) are isolated, as defined in 33 CFR 328.3(a). These wetlands were identified using the Atlantic and Gulf Coastal Plain Region Supplement to the 1987 Corps of Engineers Wetland Delineation Manual. They are best described as being depressional wetlands (many are remnant non-maintained portions of upland cut ditches) with precipitation as the primary source of hydrology.

“Wetland A”, “Wetland B”, “Wetland C”, “Wetland D”, “Wetland E” within the approximate review area are part of a large wetland complex that extends from linear lentic depressions paralleling rail road tracks and roadways located between Beaumont Highway and a unnamed road located north of Beaumont Highway. The linear depression within the location of these wetlands is lentic; however, the linear depressions become an upland manmade drainage ditch west and east of the wetlands. “Wetland A”, “Wetland B”, “Wetland C”, “Wetland D”, and “Wetland E” are located approximately 1- to 1.5-mile west of the San Jacinto River, the nearest TNW.

“Wetland AA”, “Wetland F”, “Wetland I”, “Wetland N”, “Wetland M”, “Wetland CC”, “Wetland DD”, and “Wetland EE” are depressional wetlands located approximately 30 to 100 feet north and/or south of the nearest upland manmade drainage ditch and approximately 0.40- to 1.3-mile west of the San Jacinto River. “Wetland AA”, “Wetland I”, and “Wetland F” extend north outside of the approximate review area while the other wetlands are entirely within the approximate review area. Based upon the site visits and desk review, including thorough review of LiDAR elevation data and FEMA flood maps, “Wetland AA”, “Wetland I”, and “Wetland F” appear to be part of larger wetland extending north outside of the review area. However, the large wetland complex do not appear to abut, nor extend into an area that would be within the anticipated high flow (the 100-year floodplain) of the San Jacinto River. They are surrounded by uplands and located in a landscape position above the base flood elevation of the 100-year floodplain of the San Jacinto River.

“Wetland BB” and “Wetland G/H”, are located approximately 1 mile southwest of the San Jacinto River, the nearest TNW. They are linear lentic excavated depressions located north and paralleling an unnamed road. They appear to have been part of an unmaintained upland manmade drainage ditch; some of these type features extend west and east of the wetlands. These wetlands appear to be part of large wetland complex that extend north outside of the review area. However, the large wetland complex do not appear to abut, nor extend into an area that would be within the anticipated high flow (the 100-year floodplain) of the San Jacinto River. They are surrounded by uplands and located in a landscape position above the base flood elevation of the 100-year floodplain of the San Jacinto River. Based on information and our a site visit, it was determined that the NHD mapped drainage ditch is an upland manmade drainage ditch approximately 0.75-mile west of its confluence with the San Jacinto River and does not extend the plane of the ordinary high water of the River.

As such, “it is SWG’s determination that these 15 wetland polygons (Wetland A”, “Wetland B”, “Wetland C”, “Wetland D”, “Wetland E”, “Wetland F”, and “Wetland G/H”, “Wetland I”, “Wetland M”, “Wetland N”, “Wetland AA”, “Wetland BB”, “Wetland CC”, “Wetland DD”, and “Wetland EE”) are all “isolated” as defined in federal regulations 33 CFR 330.2 (e).

None of these wetlands are affected by the tide nor are they susceptible to use for interstate or foreign commerce.

None of these wetlands cross interstate or tribal boundaries.

The destruction of any of these 15 “isolated” intrastate wetlands would not affect interstate or foreign travelers for recreational or other purposes, would not affect fish or shellfish that could be taken and sold in interstate or foreign commerce, and would not affect the current use or potential use for industrial purposes by industries in interstate commerce.

None of these wetlands are “impoundments” (as defined in federal regulation) of waters of the U.S.

None of these wetlands are tributaries to know waters of the U.S. {33 CFR 328 a)1 thru 4}.

None of these wetlands are part of the territorial seas.

None of these wetlands are “adjacent” to a known waters of the U.S. (excluding other waters that are wetland themselves).

As such, we have determined that the site has 15 wetland polygons that are all surrounded by uplands and not within the anticipated high flow of the nearest water of the U.S., not part of a tributary or tidal and as such are “isolated”. They are not ecologically adjacent (as defined in the Rapanos guidance) nor reasonable close to the nearest water of the U.S. such that the ecological interconnective is beyond speculation or insubstantial. (This was determined by the fact that there is not any known species that requires the nearest know water of the U.S. and these subject wetlands to fulfill it’s lifecycle requirements). There is no known nexus to interstate commerce associated with these wetlands. Many of the subject wetlands were created a result of upland ditches not being maintained and they now pond water for long to very long duration.

”

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, fill out Section III.D.2 and 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 water body⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the water body 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: **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:

Identify flow route to TNW⁵:
Tributary stream order, if known:

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.

(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):

- | | | |
|--|--|-----------------------------------|
| <input type="checkbox"/> Silts | <input type="checkbox"/> Sands | <input type="checkbox"/> Concrete |
| <input type="checkbox"/> Cobbles | <input type="checkbox"/> Gravel | <input type="checkbox"/> Muck |
| <input type="checkbox"/> Bedrock | <input type="checkbox"/> Vegetation. Type/% cover: | |
| <input type="checkbox"/> 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):

- | | |
|---|---|
| <input type="checkbox"/> Bed and banks | |
| <input type="checkbox"/> OHWM ⁶ (check all indicators that apply): | |
| <input type="checkbox"/> clear, natural line impressed on the bank | <input type="checkbox"/> the presence of litter and debris |
| <input type="checkbox"/> changes in the character of soil | <input type="checkbox"/> destruction of terrestrial vegetation |
| <input type="checkbox"/> shelving | <input type="checkbox"/> the presence of wrack line |
| <input type="checkbox"/> vegetation matted down, bent, or absent | <input type="checkbox"/> sediment sorting |
| <input type="checkbox"/> leaf litter disturbed or washed away | <input type="checkbox"/> scour |
| <input type="checkbox"/> sediment deposition | <input type="checkbox"/> multiple observed or predicted flow events |
| <input type="checkbox"/> water staining | <input type="checkbox"/> abrupt change in plant community |
| <input type="checkbox"/> other (list): | |
| <input type="checkbox"/> Discontinuous OHWM. ⁷ Explain: | |

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> High Tide Line indicated by: | <input type="checkbox"/> Mean High Water Mark indicated by: |
| <input type="checkbox"/> oil or scum line along shore objects | <input type="checkbox"/> survey to available datum; |
| <input type="checkbox"/> fine shell or debris deposits (foreshore) | <input type="checkbox"/> physical markings; |
| <input type="checkbox"/> physical markings/characteristics | <input type="checkbox"/> vegetation lines/changes in vegetation types. |
| <input type="checkbox"/> tidal gauges | |
| <input type="checkbox"/> other (list): | |

(iii) **Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain:

Identify specific pollutants, if known:

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 water body'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. **Characteristics 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. **Characteristics of 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:

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

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

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

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

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

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

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

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK 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.

- Water body that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres

Identify type(s) of waters:

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
 - Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

 - Wetlands directly abutting an RPW where tributaries typically flow “seasonally.” Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

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

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

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are 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, 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).

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:

⁸See Footnote # 3.

⁹To 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.

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):

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 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: **Approximately 20** 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: acres.

SECTION IV: DATA SOURCES.

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: **Olsson Associates 26 August 2016 wetland delineation report and 8 February 2017 revised wetland delineation report.**
- 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: **Site visit dated 26 January 2017 and 7 March 2017**
- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas: **12040104 - Buffalo - San Jacinto**
 - USGS NHD data
 - USGS 8 and 12 digit HUC maps
- Galveston District's Approved List of Navigable Waters
- U.S. Geological Survey map(s). Cite scale & quad name: **Crosby; Highlands; Harmaston; Jacinto City, Texas.**
- USDA Natural Resources Conservation Service Soil Survey. Citation: **NRCS Web Soil Survey, accessed 3 March 2017**
- National wetlands inventory map(s). Cite name: **USFWS NWI Mapper, accessed 3 March 2017**
- State/Local wetland inventory map(s):
- FEMA/FIRM maps: **Harris County FIRM Panel: 48201C0540L**
- 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): **1943 to 2016 Google Earth Aerials**
or Other (Name & Date): **2015 Infrared; 2006 TWDB LiDAR Data**
- 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: Based on review of available information and the 26 January and 7 March 2017 site visits, we have determined that the 15 wetland polygons ("Wetland A", "Wetland B", "Wetland C", "Wetland D", "Wetland E", "Wetland F", and "Wetland G/H", "Wetland I", "Wetland M", "Wetland N", "Wetland AA", "Wetland BB", "Wetland CC", "Wetland DD", and "Wetland EE") are isolated, as defined in 33 CFR 328.3(a). These wetlands were identified using the Atlantic and Gulf Coastal Plain Region

Supplement to the 1987 Corps of Engineers Wetland Delineation Manual. They are best described as being depressional wetlands (many are remnant non-maintained portions of upland cut ditches) with precipitation as the primary source of hydrology.

"Wetland A", "Wetland B", "Wetland C", "Wetland D", "Wetland E" within the approximate review area are part of a large wetland complex that extends from linear lentic depressions paralleling rail road tracks and roadways located between Beaumont Highway and a unnamed road located north of Beaumont Highway. The linear depression within the location of these wetlands is lentic; however, the linear depressions become an upland manmade drainage ditch west and east of the wetlands. "Wetland A", "Wetland B", "Wetland C", "Wetland D", and "Wetland E" are located approximately 1- to 1.5-mile west of the San Jacinto River, the nearest TNW.

"Wetland AA", "Wetland F", "Wetland I", "Wetland N", "Wetland M", "Wetland CC", "Wetland DD", and "Wetland EE" are depressional wetlands located approximately 30 to 100 feet north and/or south of the nearest upland manmade drainage ditch and approximately 0.40- to 1.3-mile west of the San Jacinto River. "Wetland AA", "Wetland I", and "Wetland F" extend north outside of the approximate review area while the other wetlands are entirely within the approximate review area. Based upon the site visits and desk review, including thorough review of LiDAR elevation data and FEMA flood maps, "Wetland AA", "Wetland I", and "Wetland F" appear to be part of larger wetland extending north outside of the review area. However, the large wetland complex do not appear to abut nor extend into an area that would be within the anticipated high flow (the 100-year floodplain) of the San Jacinto River. They are surrounded by uplands and located in a landscape position above the base flood elevation of the 100-year floodplain of the San Jacinto River.

"Wetland BB" and "Wetland G/H", are located approximately 1 mile southwest of the San Jacinto River, the nearest TNW. They are linear lentic excavated depressions located north and paralleling an unnamed road. They appear to have been part of an unmaintained upland manmade drainage ditch; some of these type feature extend west and east of the wetlands. These wetlands appear to be part of large wetland complex that extend north outside of the review area. However, the large wetland complex do not appear to abut nor extend into an area that would be within the anticipated high flow (the 100-year floodplain) of the San Jacinto River. They are surrounded by uplands and located in a landscape position above the base flood elevation of the 100-year floodplain of the San Jacinto River. Based on information and our a site visit, it was determined that the NHD mapped drainage ditch is an upland manmade drainage ditch approximately 0.75-mile west of its confluence with the San Jacinto River and does not extend the plane of the ordinary high water of the River.

As such, "it is SWG's draft determination that these 15 wetland polygons (Wetland A", "Wetland B", "Wetland C", "Wetland D", "Wetland E", "Wetland F", and "Wetland G/H", "Wetland I", "Wetland M", "Wetland N", "Wetland AA", "Wetland BB", "Wetland CC", "Wetland DD", and "Wetland EE") are all "isolated" as defined in federal regulations 33 CFR 330.2 (e).

None of these wetlands are affected by the tide nor are they susceptible to use for interstate or foreign commerce.

None of these wetlands cross interstate or tribal boundaries.

The destruction of any of these 15 "isolated" intrastate wetlands would not affect interstate or foreign travelers for recreational or other purposes, would not affect fish or shellfish that could be taken and sold in interstate or foreign commerce, and would not affect the current use or potential use for industrial purposes by industries in interstate commerce.

None of these wetlands are "impoundments" (as defined in federal regulation) of waters of the U.S.

None of these wetlands are tributaries to know waters of the U.S. {33 CFR 328 a)1 thru 4)}.

None of these wetlands are part of the territorial seas.

None of these wetlands are "adjacent" to a known waters of the U.S. excluding other waters that are wetland themselves.

As such, we have determined that the site has 15 wetland polygons that are all surrounded by uplands and not within the anticipated high flow of the nearest water of the U.S., nor part of a tributary nor adjacent to a know water fo the U.S. as such they are "isolated". They are not ecologically adjacent (as defined in the Rapanos guidance) nor reasonable close to the nearest water of the U.S. such that the ecological interconnectivity is beyond speculation or insubstantial. (This was determined by the fact that there is not any known species that requires the nearest know water of the U.S. and these subject wetland to fulfill its lifecycle requirements). There is no known nexus to interstate commerce associated with these wetlands. Many of the subject wetlands were created as a result of upland ditches not being maintained and they now pond water for long to very long duration.

In conclusion: It is SWG determination that these 15 wetlands are isolated and lack a nexus to interstate commerce and as such would not be subject to Section 404 of the Clean Water Act.

TABLE 1:

Wetland	Latitude	Longitude	UTM Zone	Easting	Northing	Approximate Acreage
Wetland A	29.869933	-95.124469	15	294809	3306268	0.55
Wetland B	29.871554	-95.120847	15	295162	3306441	1.20

Wetland C	29.873032	-95.117273	15	295510	3306598	0.06
Wetland D	29.873327	-95.116737	15	295563	3306630	0.39
Wetland E	29.873953	-95.115239	15	295709	3306697	0.52
Wetland F	29.874602	-95.115239	15	295710	3306769	0.09
Wetland G/H	29.874673	-95.118339	15	295411	3306782	0.89
Wetland I	29.875243	-95.112876	15	295940	3306836	0.56
Wetland M	29.876617	-95.109926	15	296227	3306983	0.67
Wetland N	29.877947	-95.106547	15	296557	3307124	7.71
Wetland AA	29.874646	-95.120777	15	295175	3306783	0.49
Wetland BB	29.874706	-95.124704	15	294796	3306797	6.90
Wetland CC	29.879135	-95.106649	15	296549	3307256	0.01
Wetland DD	29.879406	-95.106239	15	296589	3307285	0.04
Wetland EE	29.879694	-95.105641	15	296648	3307316	0.08.