

I. ADMINISTRATIVE INFORMATION

Completion Date of Approved Jurisdictional Determination (AJD): 4/22/2021 ORM Number: SWG-2019-00667 Associated JDs: N/A

Review Area Location¹: State/Territory: Texas City: Enter. County/Parish/Borough: Harris and Liberty Center Coordinates of Review Area: Latitude 30.088117 Longitude -95.065689

II. FINDINGS

A. Summary: Check all that apply. At least one box from the following list MUST be selected. Complete the corresponding sections/tables and summarize data sources.

- □ The review area is comprised entirely of dry land (i.e., there are no waters or water features, including wetlands, of any kind in the entire review area). Rationale: N/A
- □ There are "navigable waters of the United States" within Rivers and Harbors Act jurisdiction within the review area (complete table in Section II.B).
- □ There are "waters of the United States" within Clean Water Act jurisdiction within the review area (complete appropriate tables in Section II.C).
- There are waters or water features excluded from Clean Water Act jurisdiction within the review area (complete table in Section II.D).

B. Rivers and Harbors Act of 1899 Section 10 (§ 10)²

§ 10 Name	§ 10 Size		§ 10 Criteria	Rationale for § 10 Determination
N/A	N/A	N/A	N/A.	N/A

C. Clean Water Act Section 404

Territorial Seas and Traditional Navigable Waters ((a)(1) waters): ³					
(a)(1) Name	(a)(1) Size		(a)(1) Criteria	Rationale for (a)(1) Determination	
N/A	N/A	N/A.	N/A.	N/A	

Tributaries ((a)(2) waters):						
(a)(2) Name	(a)(2) Size		(a)(2) Criteria	Rationale for (a)(2) Determination		
N/A.	N/A.	N/A.	N/A.	N/A.		

Lakes and ponds, and impoundments of jurisdictional waters ((a)(3) waters):					
(a)(3) Name	(a)(3) Size		(a)(3) Criteria	Rationale for (a)(3) Determination	
N/A.	N/A.	N/A.	N/A.	N/A.	

Adjacent wetlands ((a)(4) waters):					
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination	
N/A	N/A	N/A.	N/A.	N/A	

¹ Map(s)/figure(s) are attached to the AJD provided to the requestor.

² If the navigable water is not subject to the ebb and flow of the tide or included on the District's list of Rivers and Harbors Act Section 10 navigable waters list, do NOT use this document to make the determination. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Rivers and Harbors Act Section 10 navigability determination.

³ A stand-alone TNW determination is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established. A stand-alone TNW determination should be completed following applicable guidance and should NOT be documented on the AJD Form.



D. Excluded Waters or Features

Excluded waters	s ((b)(1) – (b)	(12)):4		
Exclusion	Exclusion S	ize	Exclusion ⁵	Rationale for Exclusion Determination
Name				
Wetland 1	0.17	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 1 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 1 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 1 and Luce Bayou.
Wetland 2	0.07	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 2 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 2 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 2 and Luce Bayou.
Wetland 3	0.23	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar

⁴ Some excluded waters, such as (b)(2) and (b)(4), may not be specifically identified on the AJD form unless a requestor specifically asks a Corps district to do so. Corps districts may, in case-by-case instances, choose to identify some or all of these waters within the review area. ⁵ Because of the broad nature of the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1)

exclusion, four sub-categories of (b)(1) exclusions were administratively created for the purposes of the AJD Form. These four sub-categories are not new exclusions, but are simply administrative distinctions and remain (b)(1) exclusions as defined by the NWPR.



Excluded wate	ers ((b)(1) – (b		-	
Exclusion Name	Exclusion	Size	Exclusion ⁵	Rationale for Exclusion Determination
				artificial structure. The aerial photos and topos show Wetland 3 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 3 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 3 and Luce Bayou.
Wetland 4	0.13	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 4 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 4 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 4 and Luce Bayou.
Wetland 5	0.24	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 5 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 5 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 5 and Luce Bayou.
Wetland 6	2.46	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural



	ers ((b)(1) – (t			
Exclusion Name	Exclusion	Size	Exclusion ⁵	Rationale for Exclusion Determination
				feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 6 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 6 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 6 and Luce Bayou.
Wetland 7	0.05	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 7 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 7 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 7 and Luce Bayou.
Wetland 8	0.08	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 8 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 8 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 8 and Luce Bayou.
Wetland 9	0.06	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ - $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a



Excluded wate	ers ((b)(1) – (b	o)(12)): ⁴		-
Exclusion Name	Exclusion	Size	Exclusion ⁵	Rationale for Exclusion Determination
				single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 9 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 9 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 9 and Luce Bayou.
Wetland 10	0.09	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 10 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 10 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 10 and Luce Bayou.
Wetland 11	0.25	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ – $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 11 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 11 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 11 and Luce Bayou.
Wetland 12	0.78	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically



Excluded waters $((b)(1) - (b)(12))$: ⁴					
Exclusion	Exclusion Size	Exclusion ⁵	Rationale for Exclusion Determination		
Name					
			separated from an (a)(1) – (a)(3) water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 12 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 12 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 12 and Luce Bayou.		

Wetland 13	0.04	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ - (a)(3) water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 13 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 13 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical
				year inundation between Wetland 13 and Luce Bayou.
Wetland 14	0.37	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 14 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 14 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 14 and Luce Bayou.



Wetland 15	0.10	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ – $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 15 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 15 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 15 and Luce Bayou.
Wetland 16	0.01	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 16 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 16 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 16 and Luce Bayou.
Wetland 17	0.08	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 17 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 17 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 17 and Luce Bayou
Wetland 18	0.61	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$



	 – (a)(3) water in a typical year; is not physically separated from an (a)(1) – (a)(3) water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 18 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 18 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 18 and Luce Bayou.
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Wetland 19	10.19	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ - $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 19 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 19 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 19 and Luce Bayou.
Wetland 20	0.05	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 20 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 20 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 20 and Luce Bayou.
Wetland 21	0.02	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically



				separated from an (a)(1) – (a)(3) water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 21 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 21 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 21 and Luce Bayou.
Wetland 22	0.54	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 22 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 22 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 22 and Luce Bayou.
Wetland 23	0.81	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ – $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 23 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 23 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 23 and Luce Bayou.
Wetland 24	1.23	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural



feature or an artificial dike, barrier, or sin artificial structure. The aerial photos and show Wetland 24 does not abut Luce Ba	
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show Wetland 24 does not abut Luce Ba	topos
	vou. the
nearest water of the United States. The	2 · · · · · · · · · · · · · · · · · · ·
NFHL shows Wetland 24 is located above	
100-year floodplain of Luce Bayou and is	
flooded in a typical year. Based on the s	
and topos, there is not a single natural b	arrier or
single artificial barrier that would allow ty	pical
year inundation between Wetland 24 and	Luce
Bayou.	

Wetland 25	0.26	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ - $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 25 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 25 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 25 and Luce Bayou.
Wetland 26	9.16	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ – $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 26 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 26 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 26 and Luce Bayou.
Wetland 27	14.76	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar



				artificial structure. The aerial photos and topos show Wetland 27 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 27 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 27 and Luce Bayou.
Wetland 28	0.09	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 28 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 28 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 28 and Luce Bayou.
Wetland 29	0.88	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 29 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 29 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 29 and Luce Bayou.
Wetland 30	1.04	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 30 does not abut Luce Bayou, the



nearest water of the United States. The FEMA
NFHL shows Wetland 30 is located above the
100-year floodplain of Luce Bayou and is not
flooded in a typical year. Based on the site visit
and topos, there is not a single natural barrier or
single artificial barrier that would allow typical
year inundation between Wetland 30 and Luce
Bayou.

Wetland 31	4.0	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ - $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 31 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 31 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 31 and Luce Bayou.
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Wetland 32	2.07	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 32 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 32 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 32 and Luce Bayou.
Wetland 33	0.61	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 33 does not abut Luce Bayou, the



				records water of the Hight of Otation. The EENIA
Wetland 34	0.68	acre(s)	(b)(1) Non- adjacent wetland.	nearest water of the United States. The FEMA NFHL shows Wetland 33 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 33 and Luce Bayou. This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$
				– (a)(3) water in a typical year; is not physically separated from an (a)(1) – (a)(3) water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 34 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 34 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 34 and Luce Bayou.
Wetland 35	4.71	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 35 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 35 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 35 and Luce Bayou.
Wetland 36	14.81	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ - $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 36 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 36 is located above the



				100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 36 and Luce Bayou.
Wetland 37	12.40	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 37 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 37 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 37 and Luce Bayou.

Wetland 38	4.85	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ – $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 38 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 38 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 38 and Luce Bayou.
Wetland 39	0.47	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ - $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 39 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 39 is located above the



				100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 39 and Luce Bayou.
Wetland 40	0.35	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 40 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 40 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 40 and Luce Bayou.
Wetland 41	2.352	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 41 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 41 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 41 and Luce Bayou.
Wetland 42	0.78	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 42 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 42 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit



				and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 42 and Luce Bayou.
Wetland 43	0.66	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 43 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 43 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 43 and Luce Bayou.
Wetland 44	0.84	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 44 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 44 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 44 and Luce Bayou.
Wetland 45	12.04	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ – $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 45 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 45 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical



				year inundation between Wetland 45 and Luce Bayou.
Wetland 46	8.37	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ – $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 46 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 46 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 46 and Luce Bayou.
Wetland 47	12.80	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ – $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 47 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 47 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 47 and Luce Bayou.
Wetland 48	3.00	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ – $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 48 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 48 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 48 and Luce Bayou.



Wetland 49	0.05	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ - $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 49 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 49 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 49 and Luce Bayou.
Wetland 50	0.08	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1) - (a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 50 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 50 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 50 and Luce Bayou.
Wetland 51	0.07	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$ - $(a)(3)$ water in a typical year; is not physically separated from an $(a)(1) - (a)(3)$ water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 51 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 51 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 51 and Luce Bayou.
Wetland 52	0.15	acre(s)	(b)(1) Non- adjacent wetland.	This wetland does not abut an $(a)(1) - (a)(3)$ water; is not inundated by flooding from an $(a)(1)$



				 – (a)(3) water in a typical year; is not physically separated from an (a)(1) – (a)(3) water by a single natural berm, bank, dune, similar natural feature or an artificial dike, barrier, or similar artificial structure. The aerial photos and topos show Wetland 52 does not abut Luce Bayou, the nearest water of the United States. The FEMA NFHL shows Wetland 52 is located above the 100-year floodplain of Luce Bayou and is not flooded in a typical year. Based on the site visit and topos, there is not a single natural barrier or single artificial barrier that would allow typical year inundation between Wetland 52 and Luce Bayou.
Ephemeral Stream 1	607.06	linear feet	(b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool.	Based on a review of the information submitted this is a depressional feature noted in the field however it is not a stream as labeled, but a swale, and only has water present for short duration after rain event.
Ephemeral Stream 2	4150.81	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	Ephemeral Stream 2 is a drainage ditch or agricultural ditch excavated from uplands. It connects to Mexican Gully, located west of the tract, but was not constructed in a tributary, does not re-route a tributary and was not constructed in an adjacent wetland.
Man-Made Ditch 1	4,316	linear feet	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	Man-Made Ditch 1 is a drainage ditch or agricultural ditch excavated from uplands. It was not constructed in a tributary, does not re-route a tributary and was not constructed in an adjacent wetland.

III. SUPPORTING INFORMATION

- A. Select/enter all resources that were used to aid in this determination and attach data/maps to this document and/or references/citations in the administrative record, as appropriate.
 - Information submitted by, or on behalf of, the applicant/consultant: SWCA Environmental Consultants,

16 September 2019

This information is sufficient for purposes of this AJD. Rationale: $\ensuremath{\text{N/A}}$



- Data sheets prepared by the Corps: N/A
- Photographs: Aerial: Google Earth Images 1977, 1995, 2006, 2010, 2011, 2016; and 2019
- \boxtimes Corps site visit(s) conducted on: 11/12/2020
- Previous Jurisdictional Determinations (AJDs or PJDs): ORM Number(s) and date(s).
- Antecedent Precipitation Tool: *provide detailed discussion in Section III.B.*
- USDA NRCS Soil Survey: NE Harris County WebSoil Survey
- USFWS NWI maps: Northeast Harris CountyUSFWS NWI Map
- USGS topographic maps: Beaumont, TX 1954; and 1984. Huffman, TX 1916, 1920, 1960, 2010; and 2019

Other data sources used to aid in this determination:

Data Source (select)	Name and/or date and other relevant information
USGS Sources	
USDA Sources	
NOAA Sources	N/A.
USACE Sources	ORM for Historical review
State/Local/Tribal Sources	
FEMA/FIRM maps	FEMA NFHL Panel 48291C0400C Effective 5/2/2008 and 48201C0335L Effective 6/18/2007

- B. Typical year assessment(s): N/A.
- C. Additional comments to support AJD: N/A.