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Exhibit EE.
Breaux Bridge I-10 Site
Wetlands Delineation Report

CSRS | 6767 Perkins Rd., Suite 200, Baton Rouge, LA 70808 | 225.769.0546 | www.csrsinc.com

February 21, 2023

Mr. Emile Lege
One Acadiana
804 East St. Mary Street
Lafayette, LA 70503

Breaux Bridge I-10 Site Wetlands Delineation Report

RE: Breaux Bridge I-10 Site - Wetland Delineation Executive Summary
CSRS Project No 214002

Dear Mr. Lege,

In part of the Louisiana Economic Development (LED) Certified Sites Program a wetlands delineation was completed for the Breaux Bridge I-10 Site in St. Martin Parish. On 7 June 2022, a wetland delineation was completed in accordance with the United States Army Corps of Engineers (USACE) 1987 Wetland Delineation Manual and Regional Supplements and identified approximately 3.04 acres of forested wetlands, 6.4 acres of emergent wetlands, and 0.94 acres of other waters within the site boundary. The findings of this report are considered preliminary and have not been reviewed or approved by the USACE. A Jurisdictional Determination (JD) through the USACE will be required to determine if the identified wetlands and waters are subject to Section 404 and/or 10 of the Clean Water Act.

Thank you for the opportunity to assist you in this project. Should you have any questions or require additional information, feel free to contact me.

Respectfully,

Elliott Boudreaux
Project Manager

WETLAND DELINEATION REPORT:
BREAUX BRIDGE I-10 SITE

LOCATED IN

ST. MARTIN PARISH, LOUISIANA

Lafayette
135 Regency Square
Lafayette, LA 70508
P. O. Box 52106 (70505)
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337.232.3299 fax

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Lake Charles, LA 70605
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New Orleans
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ONE ACADIANA

JULY 2022

FENSTERMAKER

Engineers • Surveyors
Environmental Consultants

Table of Contents

1.0 Introduction

C. H. Fenstermaker & Associates, L.L.C. (Fenstermaker) conducted a field wetland delineation on June 7th, 2022, within the Breaux Bridge I-10 Site located in St. Martin Parish, Louisiana. The delineation was limited to the proposed area of interest which consists of approximately 44 acres. For clarity throughout this report, the proposed Breaux Bridge I-10 Site will be referred to as the "Site". Enclosed are topographic and aerial maps illustrating the approximate layout of the Site (**Figures 1-6**). The proposed Site is located approximately 1.8 miles west and northward of Breaux Bridge, Louisiana, adjacent to US Interstate-10.

2.0 Methodology

Fenstermaker conducted the delineation in accordance with the 1987 U.S. Army Corps of Engineers (COE) Wetlands Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0, November 2010). The purpose of the wetland delineation was to determine the presence/absence of wetlands using the three technical criteria: vegetation, hydrology, and soils. It is necessary that all three criteria be present in order to be a jurisdictional wetland. The absence of any one of these criteria could exclude an area from being a wetland under the jurisdiction of the Corps of Engineers.

Fenstermaker established the wetland delineation baseline by utilizing the southwestern property boundary. This property boundary runs generally parallel with the major watercourse in the area, Bayou Teche, located to the west and south of the Site (**Figure 1**). The area is generally flat but drops off rapidly near Bayou Teche. Per the COE Manual, three transects were established based on the total acreage and length of the established baseline. Twenty-one data points (plots) were recorded along the three transects. Plot locations were based on changes in vegetation and/or hydrology.

2.1 Vegetation

In order for the vegetation to be considered hydrophytic (wet), the prevalent vegetation must consist of macrophytes that are typically adapted to areas having hydrologic and soil conditions unique to wetlands. By definition, hydrophytic species, due to morphological, physiological, and/or reproductive adaptation(s), have the ability to grow, effectively compete, reproduce, and/or persist in anaerobic soil conditions. Macrophytes are any plant material that can be seen without the aid of magnification.

As part of the vegetation criteria, species dominance was evaluated using the "50/20 rule" which ranks plant species that immediately exceed 50% of the total dominance measure for a vegetation stratum, plus any additional species comprising 20% or more of the total dominance measure for that stratum. If the recorded plant species did not exceed 50% of the total dominance, then the prevalence index was used. The prevalence index is a wetland indicator which takes into account all plant species and calculates a weighted average by assigning each indicator status category a numeric code (OBL = 1, FACW = 2, FAC = 3, FACU = 4, and UPL = 5). Plant species are also

weighted by their abundance. The prevalence index ranges from 1 to 5, and a prevalence index of 3.0 or less indicates that hydrophytic vegetation is present.

2.2 Hydrology

As defined by the 1987 COE Manual, the term "wetland hydrology" encompasses all hydrologic characteristics of areas that are periodically inundated or have soils saturated to the surface at some time during the growing season. Areas with evident characteristics of wetland hydrology are those where the presence of water has an overriding influence on characteristics of vegetation and soils due to anaerobic and reducing conditions, respectively. While they may not provide an abundance of information about long-term wetness conditions on a given site, wetland hydrology indicators provide evidence that the Site currently has a wetland hydrologic regime. This information, coupled with the presence of hydrophytic vegetation and hydric soils, provides evidence of long-term as well as short-term wetland conditions.

In order to meet the hydrology criteria of a wetland, a sample location must meet one primary indicator or two secondary indicators.

Table 2.2.1

Primary indicators		Secondary indicators
Surface water (A1)	Water-stained leaves (B9)	Surface soil cracks (B6)
High water table (A2)	Aquatic fauna (B13)	Sparsely vegetated concave surface (B8)
Saturation (A3)	Marl deposits (B15)	Drainage patterns (B10)
Water marks (B1)	Hydrogen sulfide odor (C1)	Moss trim lines (B16)
Sediment deposits (B2)	Oxidized rhizospheres along living roots (C3)	Dry season water table (C2)
Drift deposits (B3)	Presence of reduced iron (C4)	Crayfish burrows (C8)
Algal mat or crust (B4)	Recent iron reduction in tilled soils (C6)	Saturation visible on aerial imagery (C9)
Iron deposits (B5)	Thin muck surface (C7)	Geomorphic position (D2)
Inundation visible on aerial imagery (B7)		Shallow aquitard (D3)
		Fac-neutral test (D5)

2.3 Soils

Hydric soils are defined as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, July 13, 1994). Almost all hydric soils exhibit characteristic morphologies that are a result of repeated periods of saturation and/or inundation for more than a few days at a time. When combined with anaerobic microbial activity in the soil, saturation and inundation causes a

depletion of oxygen in the soil. This anaerobiosis process results in characteristic morphologies such as the reduction, translocation, and/or the accumulation of iron, which persists in the soil whether it is wet or dry. This process forms features in the soil that are called redoximorphic features. These characteristic morphologies are particularly useful for identifying hydric soils.

The soil investigation criterion requires the use of a soil probe or a pit excavated to a 20-inch depth in order to investigate for hydric indicators. These indicators typically include, but are not limited to:

- gleyed or low-chroma colors (redox depletions)
- redox concentrations
- listed on the local hydric soils list
- listed on the national hydric soils list

3.0 Results and Discussion

3.1 Site Description

The Site is located in St. Martin Parish, Louisiana approximately 1.8 miles northwest of the city of Breaux Bridge. The Site's northeast corner is located approximately 0.15 miles off LA-328 on Degeyter Rd. The entirety of the proposed site is located south of US I-10 bounded on the north by Degeyter Rd and bounded on the west by Bayou Teche.

The Site is along the natural levee of Bayou Teche and is comprised of both forested areas and open fields. The site is relatively flat overall with 0 to 1 percent slopes except for the areas immediately adjacent to the bayou (**Figure 1**). The project area along Bayou Teche is slightly lower in elevation, dropping approximately 10 feet in elevation west of the natural levee.

Twenty-one sample plot locations were taken along pre-determined transect lines within the proposed Site. Plot locations were selected based on visual observations of changes in vegetation, hydrology, and topography. Recorded data forms and photographs are presented in **Appendix A**. The photographs illustrate typical conditions that were observed at each Plot.

3.2 Vegetation

The Site traverses approximately 0.65 miles and covers several different habitat types. The area immediately adjacent to Bayou Teche is lower in elevation and is comprised of bottomland hardwoods. The higher natural levee area and forested ridges are primarily deciduous forest. The remaining flat areas of the Site are grasslands with some shrubs near habitat transitions. (**Figures 2-5**).

The bottomland hardwoods adjacent to Bayou Teche consisted primarily of water hickory (*Carya aquatica*), green ash (*Fraxinus pennsylvanica*), and water oak (*Quercus nigra*) with common buttonbush (*Cephalanthus occidentalis*) and savannah-panicgrass (*Phanopyrum gymnocarpon)* in the understory. Other forested areas within the Site were comprised mainly of water oak, green ash, basketgrass (*Oplismenus hirtellus*), and Virginia creeper (*Parthenocissus quinquefolia*).

The upland grasslands were dominated by white clover (*Trifolium repens*), golden tickseed (*Coreopsis tinctoria*), curly dock (*Rumex crispus*), Johnsongrass (*Sorghum halepense*), and Canada goldenrod (*Solidago canadensis*).

The palustrine emergent wetland areas were dominated by southern cutgrass (*Leersia hexandra*), common rush (*Juncus effusus*), grassleaf rush (*Juncus marginatus*), Cherokee sedge (*Carex cherokeensis*), and common spikerush (*Eleocharis palustris*).

The recorded plots that were dominated by hydrophytes and met the hydrophytic vegetation criteria of a wetland are referenced in **Table 4.1 (Plot ID Summary)**. A complete list of vegetation associated with each plot can be found in the corresponding data sheets located in **Appendix A**. The location of each plot, relative to the proposed site, is illustrated in **Figures 5 & 6**.

3.3 Hydrology

The topography within the Site can mostly be described being relatively flat and gently undulating with slopes of zero to one percent (**Figure 3**). The project is located along the natural levee of Bayou Teche, so the slope gradient increases moving west from the levee. Higher slopes occur on the natural levee areas where runoff is high and water drains toward Bayou Teche. Due to the nature of the soils in the project area, the permeability is very slow. The majority of the site is at a relatively lower flood risk due to an increase of elevations on the natural levee.

Wetland hydrology indicators were identified throughout the site. Hydrology indicators within the palustrine forested and palustrine emergent wetlands consisted of saturation (A3), water-stained leaves (B9), oxidized rhizospheres along living roots (C3), surface soil cracks (B6), sparsely vegetated concave surface (B8), Crawfish burrows (C8), geomorphic position (D2), and/or FAC-neutral test (D5). All wetlands appear to have indirect or direct connectivity to Bayou Teche.

Each sampling point containing wetland hydrology is noted on **Table 4.1**. Wetland hydrology indicators associated with each plot can be referenced in the corresponding data sheets of **Appendix A**.

3.4 Soils

According to the St. Martin Parish Soil Survey, the Site has three mapped soil units. The soil units located within the delineated area are Gp – Gallion-Perry complex, gently undulating, Dd – Dundee silt loam, and Te – Tensas silty clay loam, 0 to 1 percent slopes. The mapped soil units listed above can be referenced on **Figure 2**.

All the sample plots found within wetlands met the hydric soils criteria of a wetland by meeting the depleted matrix (F3) or the redox dark surface (F6) indicators. Please see **Table 4.1** for plots that met the hydric soil indicators of a wetland. Soil characteristics associated with each plot can be found in the corresponding data sheets located in **Appendix A**.

4.0 Findings & Conclusions

It is Fenstermaker's opinion that the Site contains approximately 3.04 acres of palustrine forested (PFO) wetlands and approximately 6.4 acres of palustrine emergent (PEM) wetlands within the project boundary (**Table 4.2**). Other Waters (non-Wetland waters) were also mapped within the Site and are listed in **Table 4.3**. Areas identified as wetlands met all three technical criteria which consists of hydrophytic vegetation, wetland hydrology and hydric soils. All wetlands appear to have indirect or direct connectivity to Bayou Teche.

A jurisdictional determination should be obtained from the U.S. Army Corp of Engineers prior to impacting any wetlands (PFO Wetlands and PEM Wetlands) or Other Waters identified within the Site. Based on recorded plots, it is Fenstermaker's opinion that wetland polygons/lines displayed in **Figure 5** best illustrate wetland locations and boundaries in the Site. Additionally, **Figure 5** illustrates Other Water locations and boundaries within the Site. All boundaries were physically mapped during the field investigation. A Department of the Army Permit should be acquired prior to any mechanized land clearing activities or the deposition of fill material in jurisdictional waters and/or wetlands. **Table 4.1**, on the ensuing page, depicts the presence/absence of each of the three wetland technical criteria at each plot, while **Table 4.2** provides a list of wetlands and **Table 4.3** provides a list of Other Waters identified throughout the Site.

A jurisdictional wetland determination can only be made by the U. S. Army Corps of Engineers (COE). Consultants such as Fenstermaker can perform field investigations (delineations), collect data in a prescribed manner, and submit it to the COE along with recommendations; however, it is the COE that makes the final determination. The New Orleans District U.S. Army Corps of Engineers has jurisdiction in the area of this project.

Table 4.1 below lists the sample plots collected throughout the Site in addition to the Date, Status, Wetland Criteria, and Latitude & Longitude.

Table 4.1 - Plot ID Summary							
Plot #	SAMPLE DATE	STATUS	HYDROPHYTIC VEGETATION	HYDRIC SOILS	WETLAND HYDROLOGY	LATITUDE	LONGITUDE
SP-1	06/07/22	Non-Wet		X		30.292982	-91.921479
SP-2	06/07/22	Non-Wet				30.291998	-91.924371
SP-3	06/07/22	Non-Wet	X			30.290949	-91.926123
SP-4	06/07/22	Non-Wet				30.29038	-91.92701
SP-5	06/07/22	Wet	X	X	X	30.290217	-91.927222
SP-6	06/07/22	Wet	X	X	X	30.289763	-91.926827
SP-7	06/07/22	Non-Wet				30.289936	-91.926524
SP-8	06/07/22	Non-Wet	X			30.289844	-91.925707
SP-9	06/07/22	Non-Wet		X		30.290655	-91.925107
SP-10	06/07/22	Non-Wet				30.292166	-91.922601
SP-11	06/07/22	Wet	X	X	X	30.292147	-91.92262
SP-12	06/07/22	Non-Wet	X			30.291118	-91.923954
SP-13	06/07/22	Wet	X	X	X	30.293714	-91.917727
SP-14	06/07/22	Non-Wet				30.293555	-91.918397
SP-15	06/07/22	Non-Wet				30.293131	-91.919903
SP-16	06/07/22	Wet	X	X	X	30.292725	-91.920553
SP-17	06/07/22	Wet	X	X	X	30.292903	-91.92063
SP-18	06/07/22	Non-Wet				30.292238	-91.921334
SP-19	06/07/22	Wet	X	X	X	30.290632	-91.92374
SP-20	06/07/22	Non-Wet	X			30.290105	-91.924972
SP-21	06/07/22	Wet	X	X	X	30.289451	-91.926066

Table 4.2 below lists the wetlands identified throughout the Site in addition to the Wetland ID, Cowardin Classification, Acreage, and Latitude & Longitude.

Table 4.2 - Wetland ID Summary				
Wetland ID	Cowardin Classification	Acres	LATITUDE	LONGITUDE
1	PEM	0.37	30.2934588	-91.9188419
2	PEM	0.24	30.2931461	-91.9187425
3	PEM	1.84	30.2925120	-91.9205477
4	PFO	0.45	30.2926757	-91.9209208
5	PEM	1.32	30.2917361	-91.9217634
6	PFO	0.15	30.2919722	-91.9219573
7	PEM	0.06	30.2920517	-91.9227610
8	PEM	0.05	30.2908833	-91.9225147
9	PEM	2.52	30.2905440	-91.9237713
10	PFO	2.44	30.2898668	-91.9268137

Table 4.3 below lists the Other Waters identified throughout the Site in addition to the Water ID, Cowardin Classification, Description, Acreage, and Latitude & Longitude.

Table 4.3 – Other Waters ID Summary					
Water ID	Cowardin Classification	Description	Acres	LATITUDE	LONGITUDE
OW-1	PUB3	Ditch	0.06	30.2905905	-91.9267905
OW-2	PUB3	Drainage	0.06	30.2899569	-91.9266690
OW-3	R2UBH	Bayou	0.47	30.2896423	-91.9268308
OW-4	PUB3	Ditch	0.23	30.2913035	-91.9217801
OW-5	PUB3	Ditch	0.12	30.2938682	-91.9184733

5.0 References

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Lewis M. Cowardin, Virginia Carter, Francis C. Golet, Edward T. LaRoe. 1979. *Classification of Wetlands and Deepwater Habitats of the United States*. U.S. Fish and Wildlife Service Report No. FWS/OBS/-79/31. Washington, D.C.

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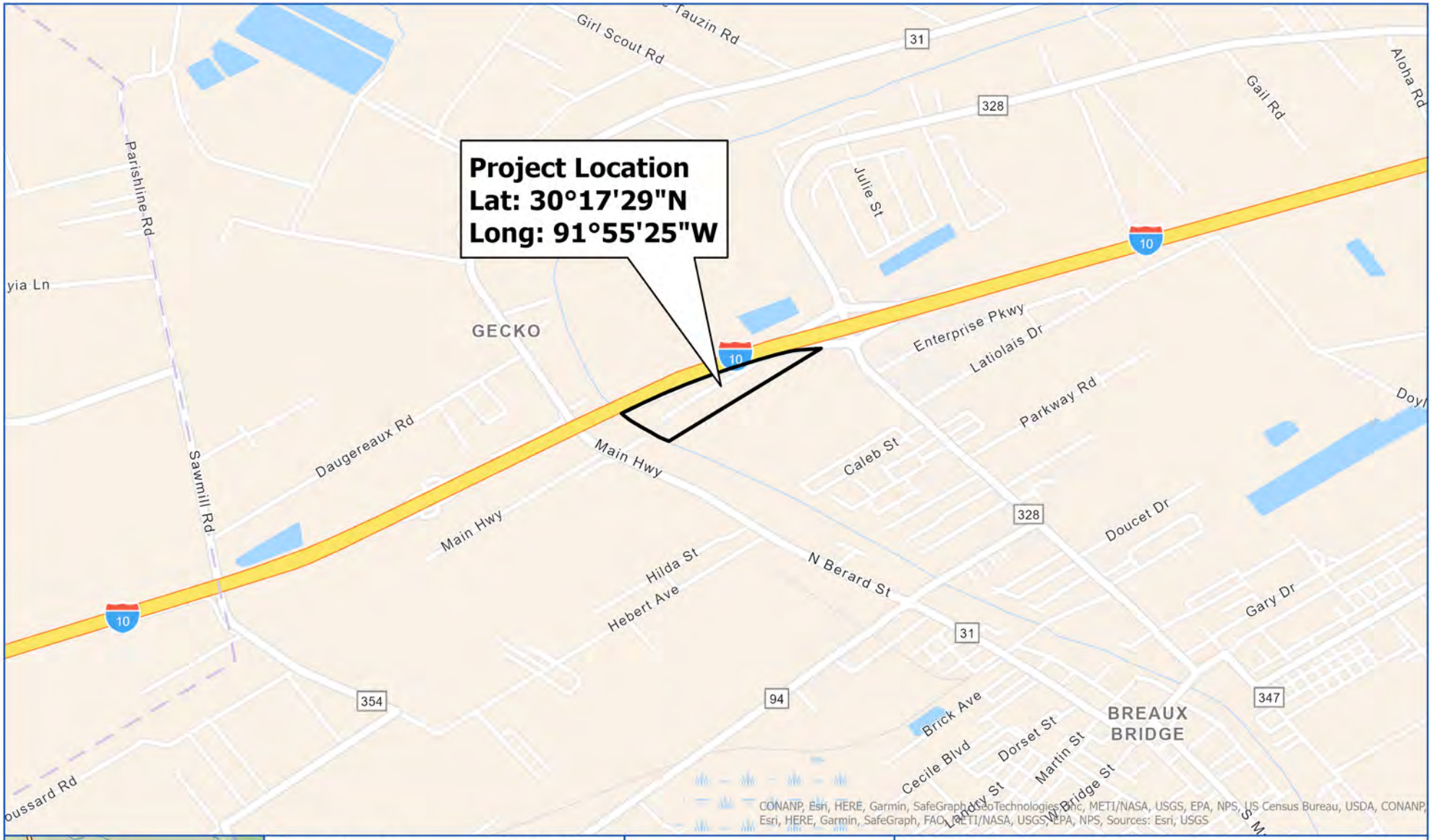
U.S. Army Corps of Engineers. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region. November 2010. Version 2.0

U.S. Department of Agriculture, Natural Resources Conservation Service. 2018. *Field Indicators of Hydric Soils in the United States*, version 8.2. L.M. Vasilas, G.W. Hurt, and J. F. Berkowitz (eds.). USDA, NRCS, in cooperation with the National Technical Committee for Hydric Soils.

FIGURE 1 – VICINITY MAP



0 0.2 0.4 0.8 Miles

N W E S

Legend

Delineation Boundary

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FIGURE 1: VICINITY

ONE ACADIANA

BREAUX BRIDGE I-10 SITE

SECTION 38-9S-5E
ST. MARTIN PARISH, LOUISIANA

DRAWN BY: ETB	DATE: 6/14/2022	PROJ. MGR: CS

Path: T:\2022\2224952\ENVIRONMENTAL\Breaux Bridge I-10\Breaux Bridge I-10.aprx

C.H. Fenstermaker & Associates, L.L.C. 135 Regency Sq. Lafayette, LA 70508, Ph. 337-237-2200 Fax. 337-232-3299 www.fenstermaker.com

FIGURE 2 – SOIL SURVEY MAP

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FIGURE 2: SOIL SURVEY

ONE ACADIANA

BREAUX BRIDGE I-10 SITE

SECTION 38-9S-5E
ST. MARTIN PARISH, LOUISIANA

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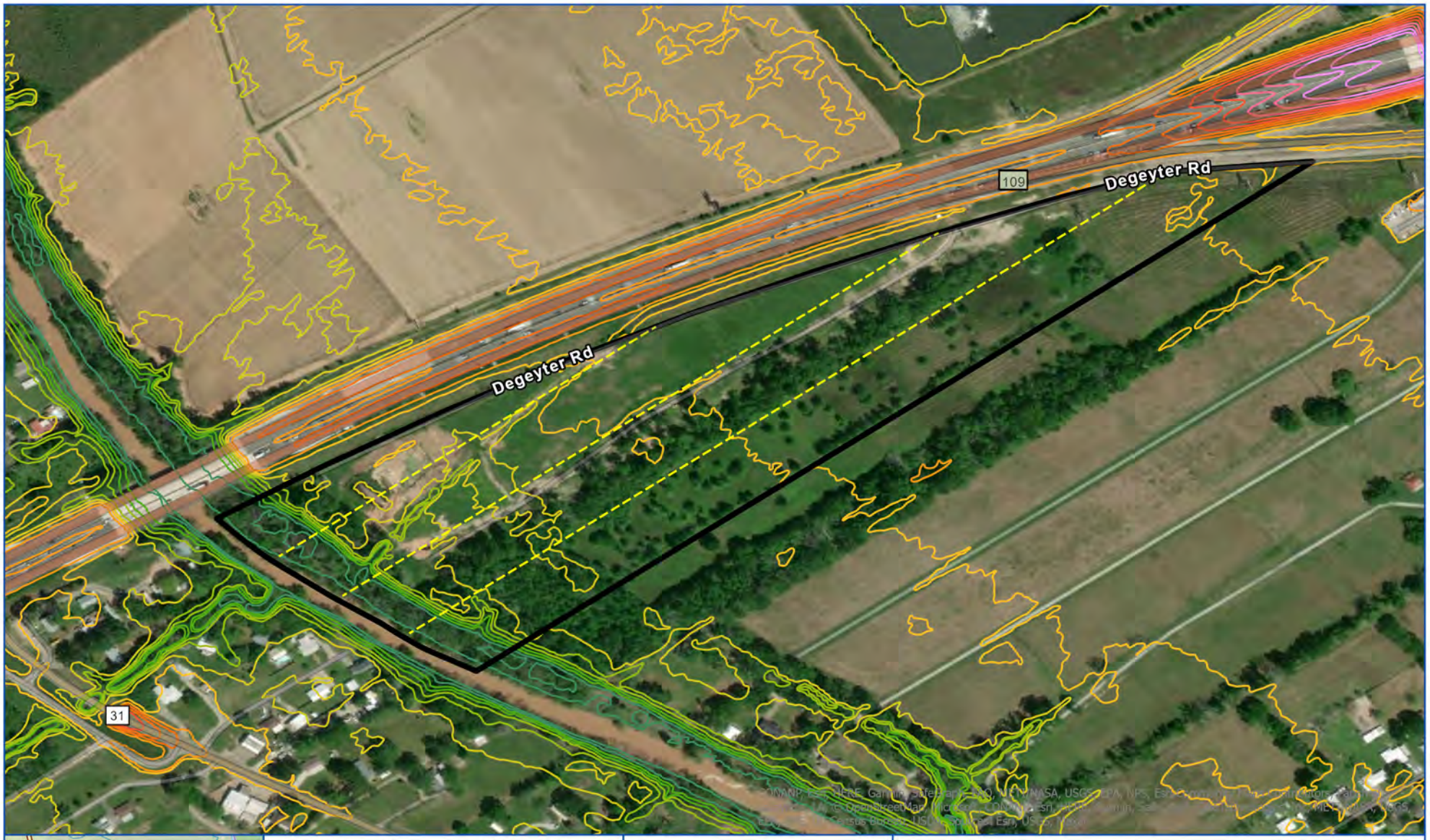
FIGURE 3 – LiDAR MAP



0 200 400 800 Feet

N
W E
S

Legend

Delineation Boundary

Transects

Elevation In Feet

8.1 - 12.0	22.1 - 24.0	34.1 - 38.0
12.1 - 16.0	24.1 - 26.0	38.1 - 42.0
16.1 - 20.0	26.1 - 30.0	
20.1 - 22.0	30.1 - 34.0	

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FIGURE 3: CONTOURS

ONE ACADIANA

BREAUX BRIDGE I-10 SITE

SECTION 38-9S-5E
ST. MARTIN PARISH, LOUISIANA

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FIGURE 4 – SHEET INDEX MAP

0 125 250 500 Feet

N
W E
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Legend

- Delineation Boundary
- Transects
- Sheet Index

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FIGURE 4: SHEET INDEX MAP

ONE ACADIANA

BREAUX BRIDGE I-10 SITE

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ST. MARTIN PARISH, LOUISIANA

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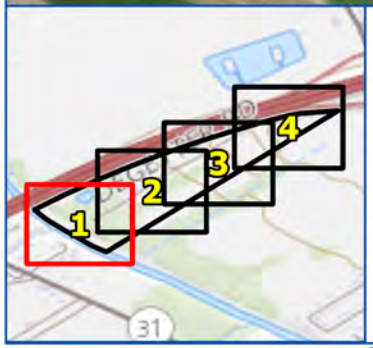
FIGURE 5 - WETLAND DETAIL MAP



0 150 300 Feet

N
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Legend

- Delineation Boundary
- Waters
- Sample Point
- Transects

Wetland Type
- PEM
- PFO

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FIGURE 5: WETLAND DETAIL

ONE ACADIANA

BREAUX BRIDGE I-10 SITE

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ST. MARTIN PARISH, LOUISIANA

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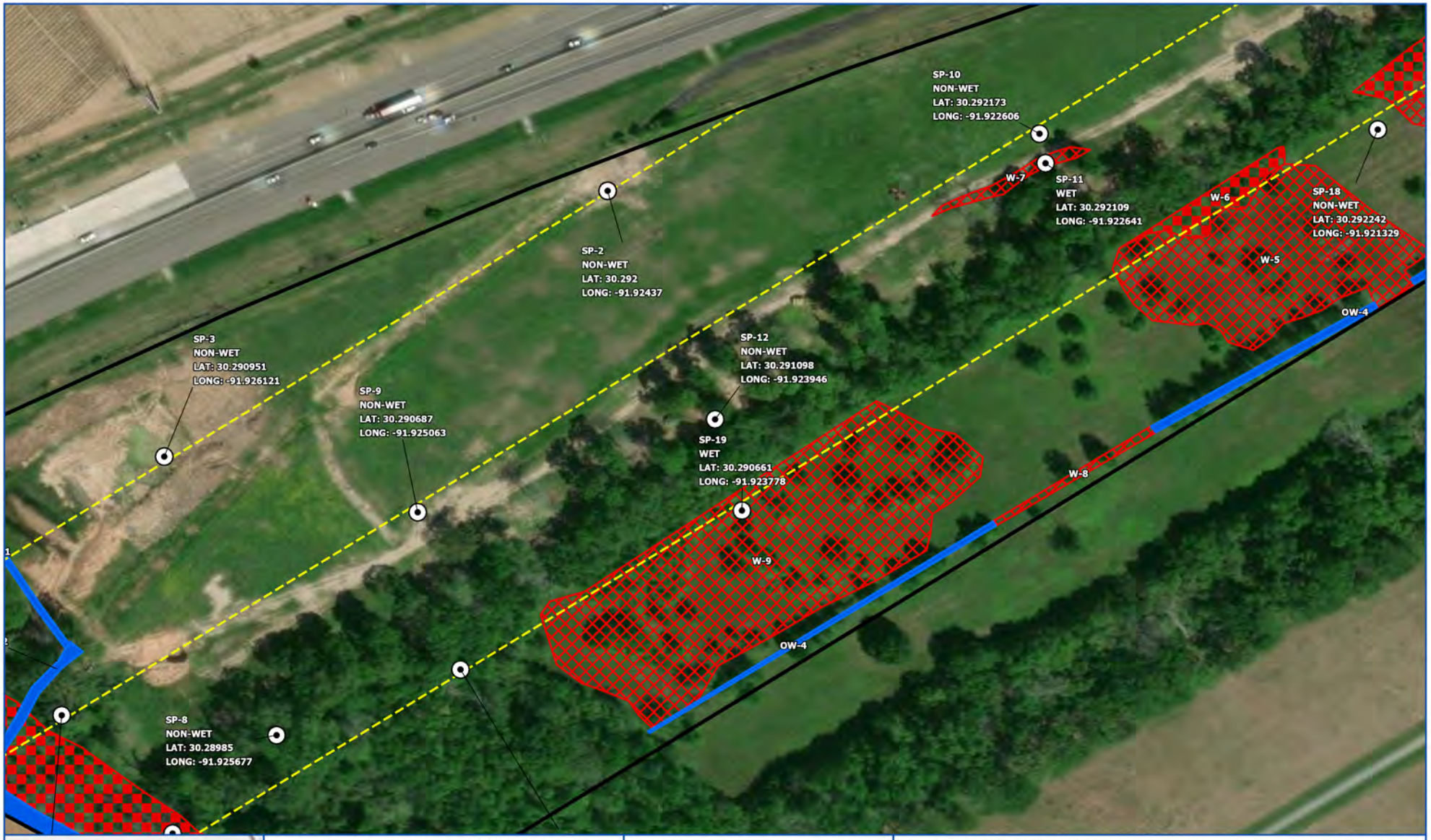

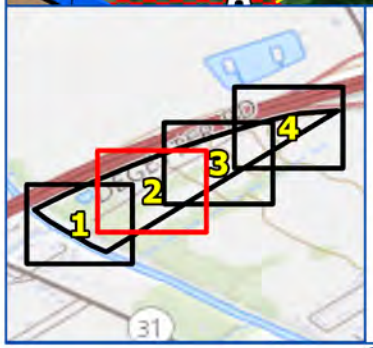

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Legend

- Delineation Boundary
- Waters
- Sample Point
- Transects

Wetland Type
- PEM
- PFO

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FIGURE 5: WETLAND DETAIL PAGE 2 OF 4

ONE ACADIANA

BREAUX BRIDGE I-10 SITE

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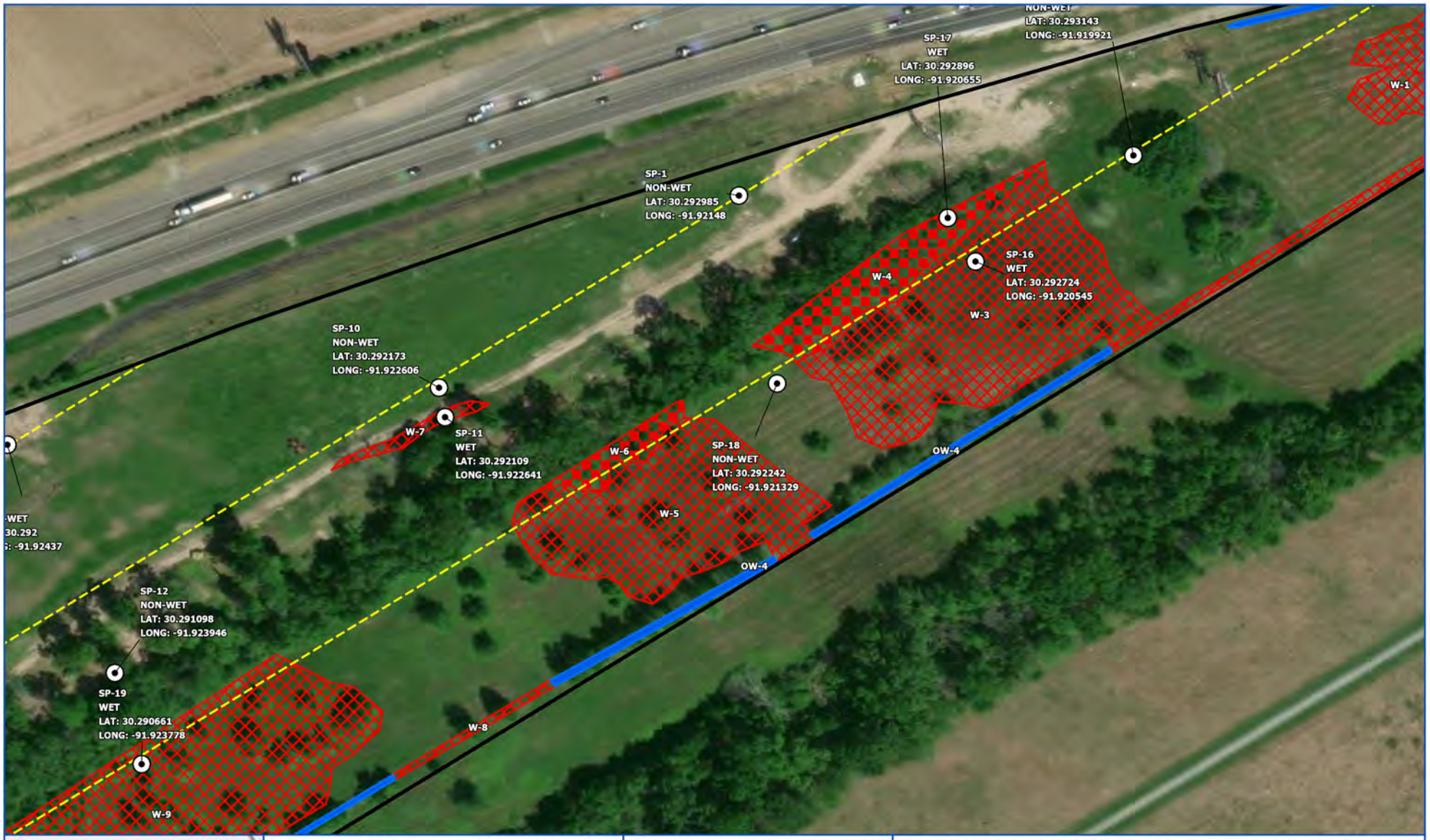

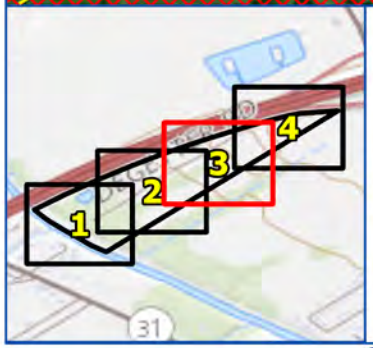

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N W E S

Legend

- Delineation Boundary
- Waters
- Sample Point
- Transects

Wetland Type
- PEM
- PFO

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FIGURE 5: WETLAND DETAIL

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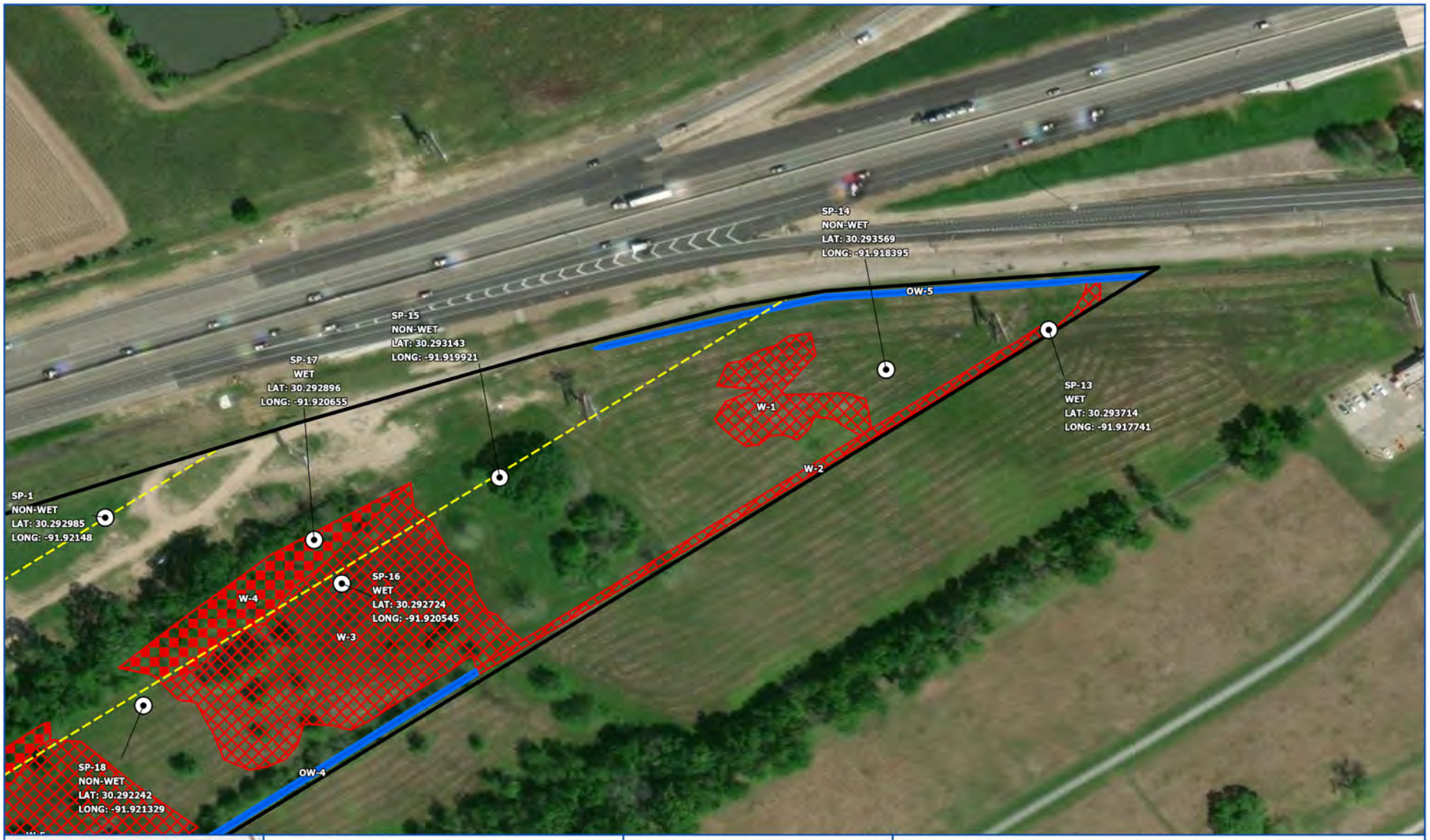

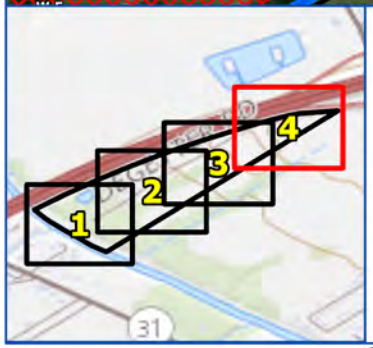

0 150 300 Feet

N W E S

Legend

- Delineation Boundary
- Waters
- Sample Point
- Transects

Wetland Type
- PEM
- PFO

FENSTERMAKER

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FIGURE 5: WETLAND DETAIL

ONE ACADIANA

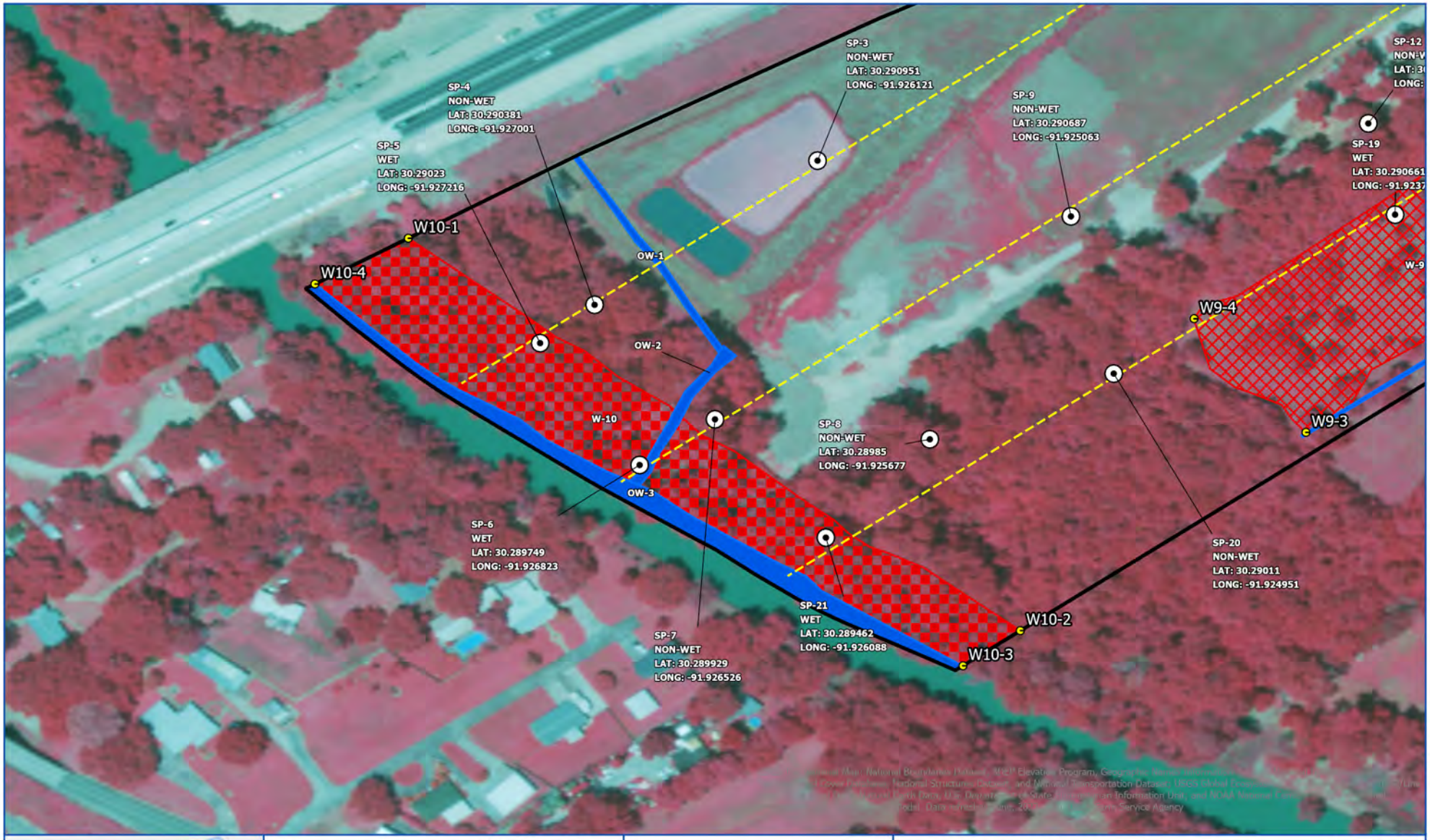
BREAUX BRIDGE I-10 SITE

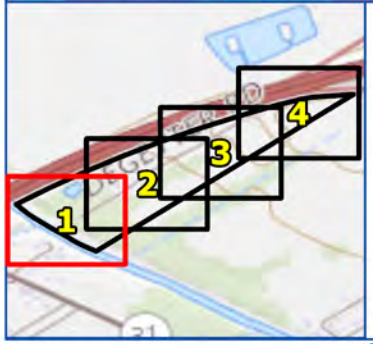
SECTION 38-9S-5E
ST. MARTIN PARISH, LOUISIANA

DRAWN BY: ETB	DATE: 6/14/2022	PROJ. MGR: CS

Path: T:\2022\2224952\ENVIRONMENTAL\Breaux Bridge I-10\Breaux Bridge I-10.aprx

FIGURE 6 – FLAGGING/INFRARED MAP





0 150 300 Feet

N
W E
S

Legend

- Delineation Boundary
- Transects
- Sample Point
- Flagging
- Waters

Wetland Type
- PEM
- PFO

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FIGURE 6: INFRARED/FLAGGING

ONE ACADIANA

BREAUX BRIDGE I-10 SITE

SECTION 38-9S-5E
ST. MARTIN PARISH, LOUISIANA

DRAWN BY: ETB	DATE: 6/14/2022	PROJ. MGR: CS

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C.H. Fenstermaker & Associates, L.L.C. 135 Regency Sq. Lafayette, LA 70508, Ph. 337-237-2200 Fax. 337-232-3299 www.fenstermaker.com

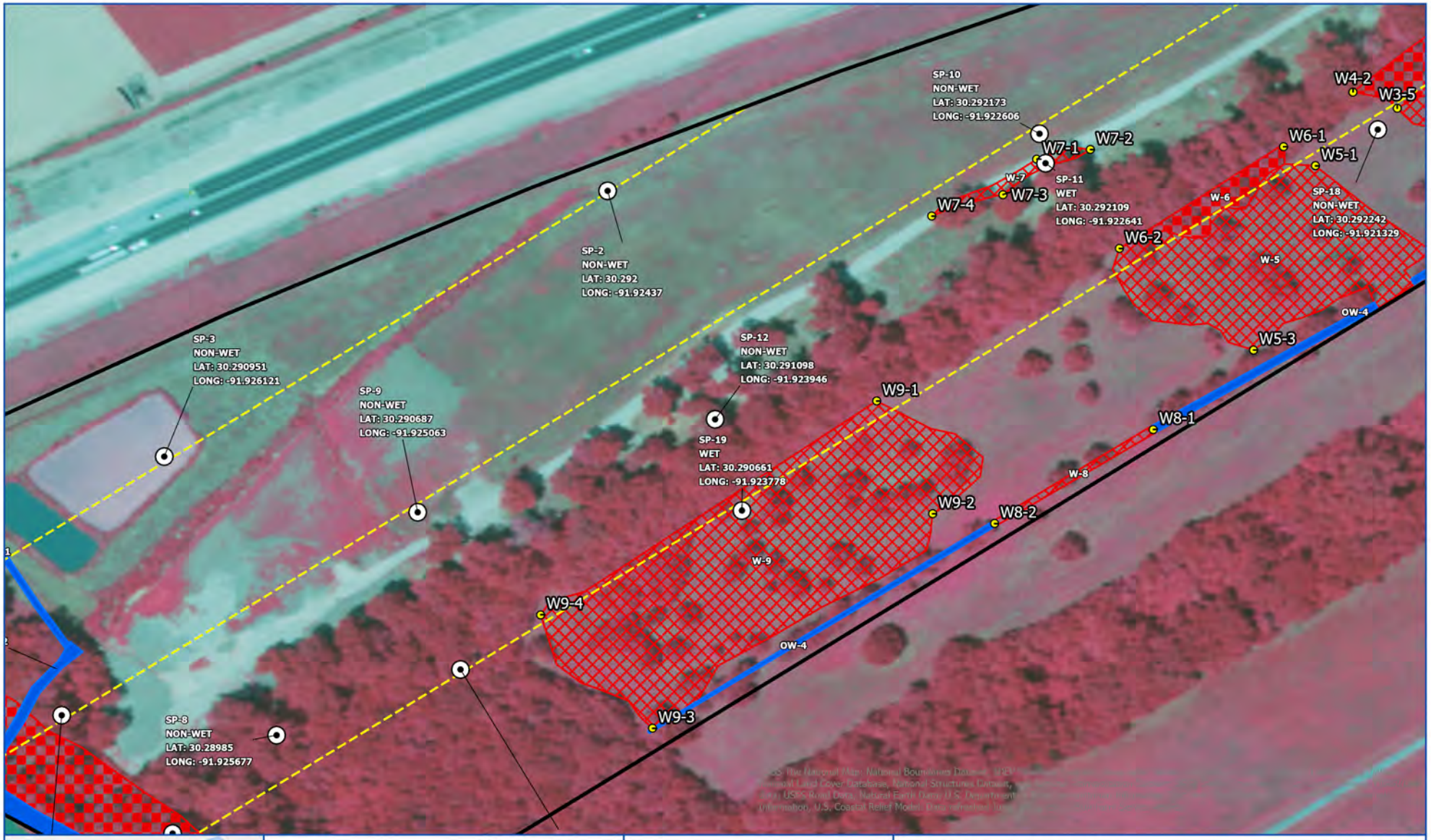

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FIGURE 6: INFRARED/FLAGGING

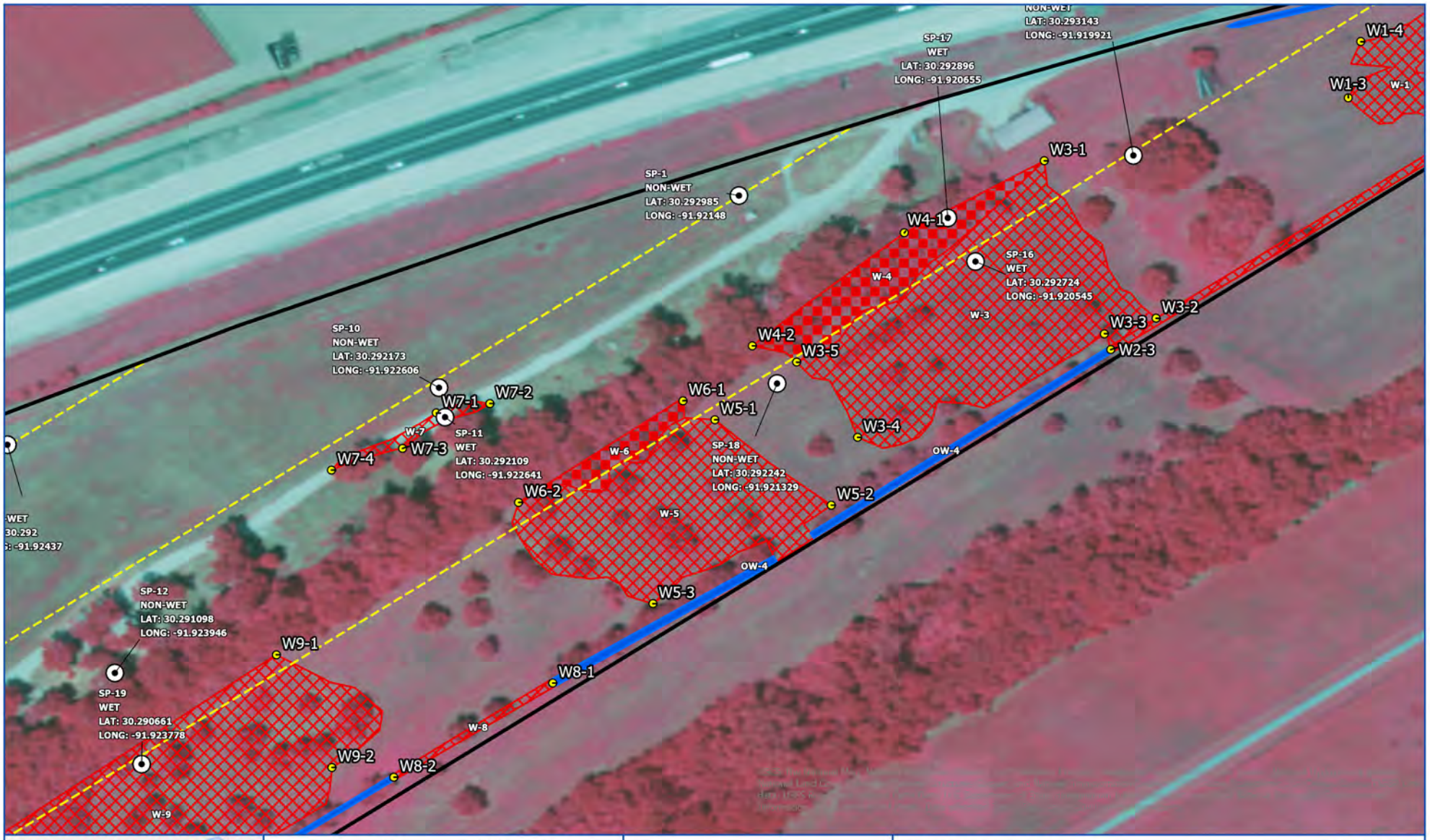
ONE ACADIANA

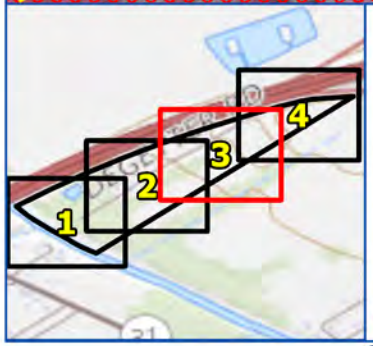
BREAUX BRIDGE I-10 SITE

SECTION 38-9S-5E
ST. MARTIN PARISH, LOUISIANA

DRAWN BY: ETB	DATE: 6/14/2022	PROJ. MGR: CS

Path: T:\2022\2224952\ENVIRONMENTAL\Breaux Bridge I-10\Breaux Bridge I-10.aprx





0 150 300 Feet

N W E S

Legend

- Delineation Boundary
- Transects
- Sample Point
- Flagging
- Waters

Wetland Type
- PEM
- PFO

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FIGURE 6: INFRARED/FLAGGING PAGE 3 OF 4

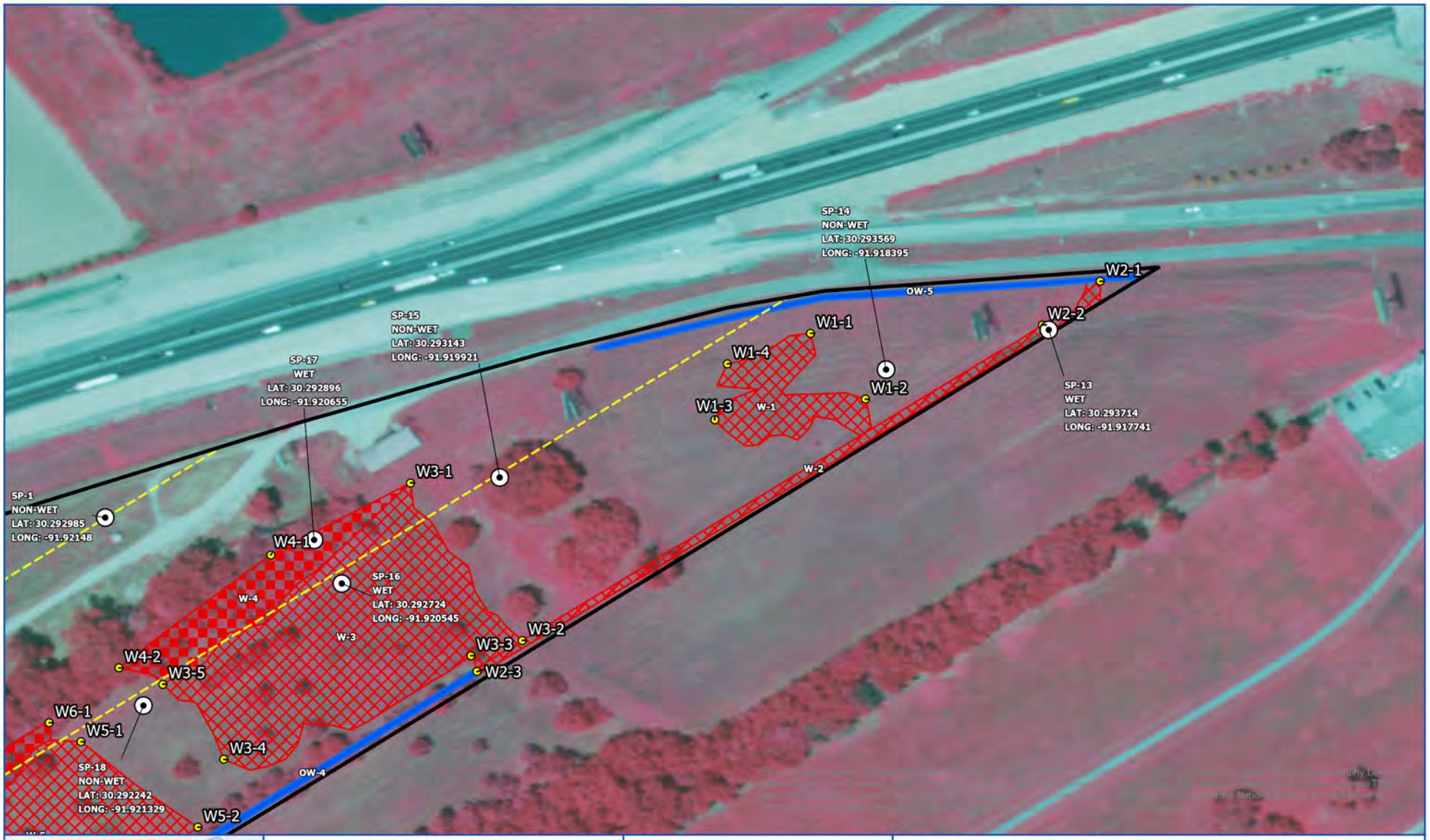
ONE ACADIANA

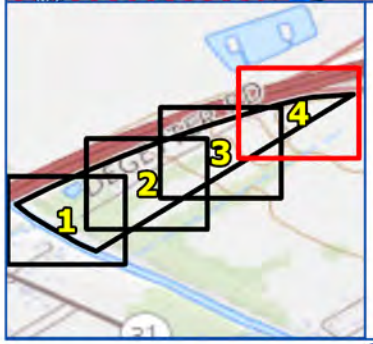
BREAUX BRIDGE I-10 SITE

SECTION 38-9S-5E
ST. MARTIN PARISH, LOUISIANA

DRAWN BY: ETB	DATE: 6/14/2022	PROJ. MGR: CS

Path: T:\2022\2224952\ENVIRONMENTAL\Breaux Bridge I-10\Breaux Bridge I-10.aprx





0 150 300 Feet

N W E S

Legend

- Delineation Boundary
- Transects
- Sample Point
- Flagging
- Waters

Wetland Type
- PEM
- PFO

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FIGURE 6: INFRARED/FLAGGING PAGE 4 OF 4

ONE ACADIANA

BREAUX BRIDGE I-10 SITE

SECTION 38-9S-5E
ST. MARTIN PARISH, LOUISIANA

DRAWN BY: ETB	DATE: 6/14/2022	PROJ. MGR: CS

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APPENDIX A – DATA FORMS & PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 1

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): LRR O Lat: 30.292982° Long: -91.921479° Datum: WGS 84

Soil Map Unit Name: Tensas silty clay loam, 0 to 1 percent slopes NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☑	No ☐			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):		
Water Table Present?	Yes ☐	No ☑	Depth (inches):		
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	**Wetland Hydrology Present?**	**Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 1

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Herb Stratum (Plot size: 30ft)			
1. Cynodon dactylon (Bermuda Grass)	80	yes	FACU
2. Trifolium repens (White Clover)	20	no	FACU
3. Paspalum urvillei (Vasey's Grass)	10	no	FAC
4. Lepidium latifolium (Broad-Leaf Pepperwort)	10	no	FAC
5. Ambrosia trifida (Great Ragweed)	5	no	FAC
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	125	= Total Cover	
50 % of total cover: 63	20 % of total cover: 25		

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	X 2 =	0
FAC species	25	X 3 =	75
FACU species	100	X 4 =	400
UPL species	0	X 5 =	0
Column Totals:	125 (A)		475 (B)

Prevalence Index = B/A = 3.8

Hydrophytic Vegetation Indicators:

☐ 1 – Rapid Test for Hydrophytic Vegetation

☐ 2 – Dominance Test is > 50%

☐ 3 – Prevalence Test is ≤ 3.0[1]

☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-6	10YR 3/1	90	3/6	10	C	M	Silty Clay	
6-20	10YR 4/2	95	10YR 3/6	5	C	M	Silty Clay	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☑ **No** ☐

Remarks:

Photo 1: Plot 1 - Soil sample

Photo 2: Plot 1 – Vegetation facing north

Photo 3: Plot 1– Vegetation facing east

Photo 4: Plot 1 – Vegetation facing south

Photo 5: Plot 1– Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 2

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): LRR O Lat: 30.291998° Long: -91.924371° Datum: WGS 84

Soil Map Unit Name: Dundee silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☐	No ☑			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 2

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Herb Stratum (Plot size: 30ft)			
1. Trifolium repens (White Clover)	75	yes	FACU
2. Ambrosia trifida (Great Ragweed)	15	no	FAC
3. Verbena incompta (Brazilian Vervain)	15	no	FACU
4. Coreopsis lanceolata (Lance-Leaf Tickseed)	5	no	UPL
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	110	= Total Cover	

50 % of total cover: 55 20 % of total cover: 22

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	X 2 =	0
FAC species	15	X 3 =	45
FACU species	90	X 4 =	360
UPL species	5	X 5 =	25
Column Totals:	110 (A)		430 (B)

Prevalence Index = B/A = 3.91

Hydrophytic Vegetation Indicators:

☐ 1 – Rapid Test for Hydrophytic Vegetation

☐ 2 – Dominance Test is > 50%

☐ 3 – Prevalence Test is ≤ 3.0[1]

☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 4/3	95	10YR 3/4	5	C	M	Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☑

Remarks:

Photo 6: Plot 2 - Soil sample

Photo 7: Plot 2 – Vegetation facing north

Photo 8: Plot 2– Vegetation facing east

Photo 9: Plot 2 – Vegetation facing south

Photo 10: Plot 2– Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 3

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): LRR O Lat: 30.290949° Long: -91.926123° Datum: WGS 84

Soil Map Unit Name: Gallion-Perry complex, gently undulating NWI Classification: PUBHx

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☐	No ☑			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants.

Sampling Point 3

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Herb Stratum (Plot size: 30ft)			
1. Trifolium repens (White Clover)	60	yes	FACU
2. Rumex crispus (Curly Dock)	40	yes	FAC
3. Coreopsis tinctoria (Golden Tickseed)	40	yes	FAC
4. Ambrosia trifida (Great Ragweed)	20	no	FAC
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	160	= Total Cover	

50 % of total cover: 80 20 % of total cover: 32

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	X 2 =	0
FAC species	100	X 3 =	300
FACU species	60	X 4 =	240
UPL species	0	X 5 =	0
Column Totals:	160 (A)		540 (B)

Prevalence Index = B/A = 3.38

Hydrophytic Vegetation Indicators:

- ☐ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☐ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 5/3	95	10YR 4/6	5	C	M	Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☑

Remarks:

Photo 11: Plot 3 - Soil sample

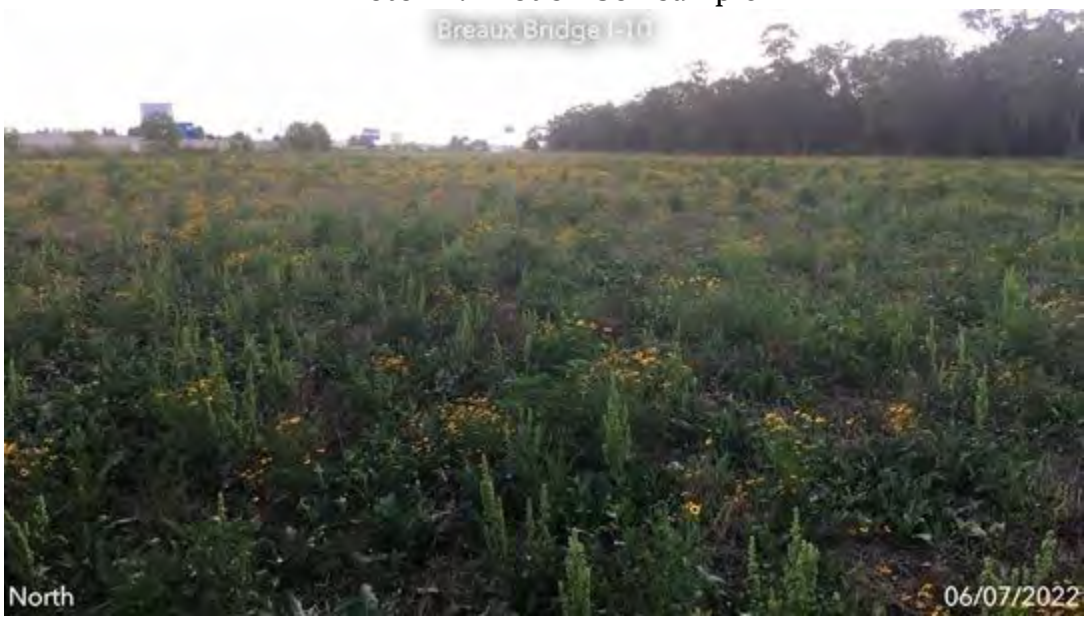

Photo 12: Plot 3 – Vegetation facing north

Photo 13: Plot 3– Vegetation facing east

Photo 14: Plot 3 – Vegetation facing south

Photo 15: Plot 3– Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 4

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Ridge Local relief (concave, convex, none): Convex Slope (%): 1-3

Subregion (LRR or MLRA): LRR O Lat: 30.29038° Long: -91.92701° Datum: WGS 84

Soil Map Unit Name: Gallion-Perry complex, gently undulating NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☐	No ☑			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 4

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus nigra (Water Oak)	65	yes	FAC
2. Fraxinus pennsylvanica (Green Ash)	15	no	FACW
3.		no	
4.		no	
5.		no	
6.		no	
	80	= Total Cover	

50 % of total cover: 40 20 % of total cover: 16

Sapling Stratum (Plot size: 30ft)			
1. Fraxinus pennsylvanica (Green Ash)	15	yes	FACW
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	15	= Total Cover	

50 % of total cover: 8 20 % of total cover: 3

Shrub Stratum (Plot size: 30ft)			
1. Prunus serotina (Black Cherry)	10	yes	FACU
2. Callicarpa americana (American Beauty-Berry)	10	yes	FACU
3.		no	
4.		no	
5.		no	
6.		no	
	20	= Total Cover	

50 % of total cover: 10 20 % of total cover: 4

Herb Stratum (Plot size: 30ft)			
1. Oplismenus hirtellus (Long-Leaf Basket Grass)	40	yes	FAC
2. Parthenocissus quinquefolia (Virginia-Creeper)	40	yes	FACU
3.		no	
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	80	= Total Cover	

50 % of total cover: 40 20 % of total cover: 16

Woody Vine Stratum (Plot size: 30ft)			
1. Parthenocissus quinquefolia (Virginia-Creeper)	10	yes	FACU
2.		no	
3.		no	
4.		no	
5.		no	
	10	= Total Cover	

50 % of total cover: 5 20 % of total cover: 2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 42 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	30	X 2 =	60
FAC species	105	X 3 =	315
FACU species	70	X 4 =	280
UPL species	0	X 5 =	0
Column Totals:	205 (A)		655 (B)

Prevalence Index = B/A = 3.2

Hydrophytic Vegetation Indicators:

☐ 1 – Rapid Test for Hydrophytic Vegetation

☐ 2 – Dominance Test is > 50%

☐ 3 – Prevalence Test is ≤ 3.0[1]

☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-6	10YR 3/2	100		0			Silty Clay	
6-20	10YR 4/4	100		0			Silty Clay	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☑

Remarks:

Photo 16: Plot 4 - Soil sample

Photo 17: Plot 4 – Vegetation facing north

Photo 18: Plot 4– Vegetation facing east

Photo 19: Plot 4 – Vegetation facing south

Photo 20: Plot 4– Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 5

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Undulating Local relief (concave, convex, none): Convex Slope (%): 0-1

Subregion (LRR or MLRA): LRR O Lat: 30.290217° Long: -91.927222° Datum: WGS 84

Soil Map Unit Name: Gallion-Perry complex, gently undulating NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☑	No ☐
Hydric Soil Present?	Yes ☑	No ☐			
Wetland Hydrology Present?	Yes ☑	No ☐			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☑ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☑ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):		
Water Table Present?	Yes ☐	No ☑	Depth (inches):		
Saturation Present? (includes capillary fringe)	Yes ☑	No ☐	Depth (inches):	2	

Wetland Hydrology Present? **Yes** ☑ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 5

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Carya aquatica (Water Hickory)	35	yes	OBL
2. Triadica sebifera (Chinese Tallowtree)	15	yes	FAC
3.		no	
4.		no	
5.		no	
6.		no	
	50	= Total Cover	

50 % of total cover: 25 20 % of total cover: 10

Sapling Stratum (Plot size: 30ft)			
1. Triadica sebifera (Chinese Tallowtree)	10	yes	FAC
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	10	= Total Cover	

50 % of total cover: 5 20 % of total cover: 2

Shrub Stratum (Plot size: 30ft)			
1. Cephalanthus occidentalis (Common Buttonbush)	15	yes	OBL
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	15	= Total Cover	

50 % of total cover: 8 20 % of total cover: 3

Herb Stratum (Plot size: 30ft)			
1. Phanopyrum gymnocarpon (Savannah-Panic Grass)	90	yes	OBL
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	90	= Total Cover	

50 % of total cover: 45 20 % of total cover: 18

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	140	x 1 =	140
FACW species	0	X 2 =	0
FAC species	25	X 3 =	75
FACU species	0	X 4 =	0
UPL species	0	X 5 =	0
Column Totals:	165 (A)		215 (B)

Prevalence Index = B/A = 1.3

Hydrophytic Vegetation Indicators:

- ☐ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☑ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 3/2	95	10YR 3/6	5	C	PL	Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☑ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☑ **No** ☐

Remarks:

Photo 21: Plot 5 - Soil sample

Photo 22: Plot 5 – Vegetation facing north

Photo 23: Plot 5 – Vegetation facing east

Photo 24: Plot 5 – Vegetation facing south

Photo 25: Plot 5 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 6

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): LRR O Lat: 30.289763° Long: -91.926827° Datum: WGS 84

Soil Map Unit Name: Gallion-Perry complex, gently undulating NWI Classification: R2UBH

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☑	No ☐
Hydric Soil Present?	Yes ☑	No ☐			
Wetland Hydrology Present?	Yes ☑	No ☐			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☑ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☑ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☑ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 6

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Carya aquatica (Water Hickory)	30	yes	OBL
2. Triadica sebifera (Chinese Tallowtree)	20	yes	FAC
3.		no	
4.		no	
5.		no	
6.		no	
	50	= Total Cover	

50 % of total cover: 25 20 % of total cover: 10

Sapling Stratum (Plot size: 30ft)			
1. Triadica sebifera (Chinese Tallowtree)	15	yes	FAC
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	15	= Total Cover	

50 % of total cover: 8 20 % of total cover: 3

Shrub Stratum (Plot size: 30ft)			
1. Cephalanthus occidentalis (Common Buttonbush)	15	yes	OBL
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	15	= Total Cover	

50 % of total cover: 8 20 % of total cover: 3

Herb Stratum (Plot size: 30ft)			
1. Phanopyrum gymnocarpon (Savannah-Panic Grass)	60	yes	OBL
2. Alternanthera philoxeroides (Alligator-Weed)	30	yes	OBL
3. Campsis radicans (Trumpet-Creeper)	10	no	FAC
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	100	= Total Cover	

50 % of total cover: 50 20 % of total cover: 20

Woody Vine Stratum (Plot size: 30ft)			
1. Vitis rotundifolia (Muscadine)	10	yes	FAC
2.		no	
3.		no	
4.		no	
5.		no	
	10	= Total Cover	

50 % of total cover: 5 20 % of total cover: 2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	135	x 1 =	135
FACW species	0	X 2 =	0
FAC species	55	X 3 =	165
FACU species	0	X 4 =	0
UPL species	0	X 5 =	0
Column Totals:	190 (A)		300 (B)

Prevalence Index = B/A = 1.58

Hydrophytic Vegetation Indicators:

- ☐ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☑ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 4/2	95	10YR 4/6	5	C	PL	Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☑ **No** ☐

Remarks:

Photo 26: Plot 6 - Soil sample

Photo 27: Plot 6 – Vegetation facing north

Photo 28: Plot 6 – Vegetation facing east

Photo 29: Plot 6 – Vegetation facing south

Photo 30: Plot 6 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 7

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Ridge Local relief (concave, convex, none): Convex Slope (%): 1-3

Subregion (LRR or MLRA): LRR O Lat: 30.289936° Long: -91.926524° Datum: WGS 84

Soil Map Unit Name: Gallion-Perry complex, gently undulating NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☐	No ☑			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 7

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Prunus serotina (Black Cherry)	35	yes	FACU
2. Quercus nigra (Water Oak)	20	yes	FAC
3.		no	
4.		no	
5.		no	
6.		no	
	55	= Total Cover	

50 % of total cover: 28 20 % of total cover: 11

Sapling Stratum (Plot size: 30ft)			
1. Prunus serotina (Black Cherry)	15	yes	FACU
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	15	= Total Cover	

50 % of total cover: 8 20 % of total cover: 3

Shrub Stratum (Plot size: 30ft)			
1. Callicarpa americana (American Beauty-Berry)	15	yes	FACU
2. Sambucus nigra (Black Elder)	10	yes	FACW
3.		no	
4.		no	
5.		no	
6.		no	
	25	= Total Cover	

50 % of total cover: 13 20 % of total cover: 5

Herb Stratum (Plot size: 30ft)			
1. Oplismenus hirtellus (Long-Leaf Basket Grass)	35	yes	FAC
2. Parthenocissus quinquefolia (Virginia-Creeper)	30	yes	FACU
3.		no	
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	65	= Total Cover	

50 % of total cover: 33 20 % of total cover: 13

Woody Vine Stratum (Plot size: 30ft)			
1. Vitis rotundifolia (Muscadine)	20	yes	FAC
2.		no	
3.		no	
4.		no	
5.		no	
	20	= Total Cover	

50 % of total cover: 10 20 % of total cover: 4

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	X 2 =	20
FAC species	75	X 3 =	225
FACU species	95	X 4 =	380
UPL species	0	X 5 =	0
Column Totals:	180 (A)		625 (B)

Prevalence Index = B/A = 3.47

Hydrophytic Vegetation Indicators:

☐ 1 – Rapid Test for Hydrophytic Vegetation

☐ 2 – Dominance Test is > 50%

☐ 3 – Prevalence Test is ≤ 3.0[1]

☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? **Yes** ☐ **No** ☑

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 7

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-10	10YR 3/3	100		0			Silty Clay	
10-20	7.5YR 4/6	100		0			Silty Clay	
-								
-								
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[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☑

Remarks:

Photo 31: Plot 7 - Soil sample

Photo 32: Plot 7 – Vegetation facing north

Photo 33: Plot 7 – Vegetation facing east

Photo 34: Plot 7 – Vegetation facing south

Photo 35: Plot 7 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 8

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): LRR O Lat: 30.289844° Long: -91.925707° Datum: WGS 84

Soil Map Unit Name: Gallion-Perry complex, gently undulating NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☐	No ☑			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 8

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus nigra (Water Oak)	65	yes	FAC
2. Liquidambar styraciflua (Sweet-Gum)	15	no	FAC
3.		no	
4.		no	
5.		no	
6.		no	
	80	= Total Cover	

50 % of total cover: 40 20 % of total cover: 16

Sapling Stratum (Plot size: 30ft)			
1. Quercus nigra (Water Oak)	20	yes	FAC
2. Fraxinus pennsylvanica (Green Ash)	5	yes	FACW
3.		no	
4.		no	
5.		no	
6.		no	
	25	= Total Cover	

50 % of total cover: 13 20 % of total cover: 5

Shrub Stratum (Plot size: 30ft)			
1. Ilex vomitoria (Yaupon)	10	yes	FAC
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	10	= Total Cover	

50 % of total cover: 5 20 % of total cover: 2

Herb Stratum (Plot size: 30ft)			
1. Oplismenus hirtellus (Long-Leaf Basket Grass)	65	yes	FAC
2. Campsis radicans (Trumpet-Creeper)	35	yes	FAC
3. Parthenocissus quinquefolia (Virginia-Creeper)	25	yes	FACU
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	125	= Total Cover	

50 % of total cover: 63 20 % of total cover: 25

Woody Vine Stratum (Plot size: 30ft)			
1. Parthenocissus quinquefolia (Virginia-Creeper)	10	yes	FACU
2.		no	
3.		no	
4.		no	
5.		no	
	10	= Total Cover	

50 % of total cover: 5 20 % of total cover: 2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	X 2 =	10
FAC species	210	X 3 =	630
FACU species	35	X 4 =	140
UPL species	0	X 5 =	0
Column Totals:	250 (A)		780 (B)

Prevalence Index = B/A = 3.12

Hydrophytic Vegetation Indicators:

- ☐ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☐ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? **Yes** ☑ **No** ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 8

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 4/4	100		0				
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☑

Remarks:

Photo 36: Plot 8 - Soil sample

Photo 37: Plot 8 – Vegetation facing north

Photo 38: Plot 8 – Vegetation facing east

Photo 39: Plot 8 – Vegetation facing south

Photo 40: Plot 8 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 Site City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 9

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0-1

Subregion (LRR or MLRA): LRR O Lat: 30.290655° Long: -91.925107° Datum: WGS 84

Soil Map Unit Name: Gallion-Perry complex, gently undulating NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☑	No ☐			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 9

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Herb Stratum (Plot size: 30ft)			
1. Trifolium repens (White Clover)	70	yes	FACU
2. Ambrosia trifida (Great Ragweed)	30	yes	FAC
3. Coreopsis tinctoria (Golden Tickseed)	25	no	FAC
4. Rumex crispus (Curly Dock)	15	no	FAC
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	140	= Total Cover	

50 % of total cover: 70 20 % of total cover: 28

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	X 2 =	0
FAC species	70	X 3 =	210
FACU species	70	X 4 =	280
UPL species	0	X 5 =	0
Column Totals:	140 (A)		490 (B)

Prevalence Index = B/A = 3.5

Hydrophytic Vegetation Indicators:

☐ 1 – Rapid Test for Hydrophytic Vegetation

☐ 2 – Dominance Test is > 50%

☐ 3 – Prevalence Test is ≤ 3.0[1]

☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 3/2	95	5YR 5/8	5	C	M	Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☑ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☑ **No** ☐

Remarks:

Photo 41: Plot 9 - Soil sample

Photo 42: Plot 9 – Vegetation facing north

Photo 43: Plot 9 – Vegetation facing east

Photo 44: Plot 9 – Vegetation facing south

Photo 45: Plot 9 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 Site City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 10

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0-1

Subregion (LRR or MLRA): LRR O Lat: 30.292166° Long: -91.922601° Datum: WGS 84

Soil Map Unit Name: Dundee silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☐	No ☑			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 10

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Herb Stratum (Plot size: 30ft)			
1. Trifolium repens (White Clover)	90	yes	FACU
2. Rumex crispus (Curly Dock)	15	no	FAC
3. Ambrosia trifida (Great Ragweed)	10	no	FAC
4. Coreopsis tinctoria (Golden Tickseed)	5	no	FAC
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	120	= Total Cover	

50 % of total cover: 60 20 % of total cover: 24

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	X 2 =	0
FAC species	30	X 3 =	90
FACU species	90	X 4 =	360
UPL species	0	X 5 =	0
Column Totals:	120 (A)		450 (B)

Prevalence Index = B/A = 3.75

Hydrophytic Vegetation Indicators:

☐ 1 – Rapid Test for Hydrophytic Vegetation

☐ 2 – Dominance Test is > 50%

☐ 3 – Prevalence Test is ≤ 3.0[1]

☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 10

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 4/3	95	10YR 3/4	5	C	M	Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☑

Remarks:

Photo 46: Plot 10 - Soil sample

Photo 47: Plot 10 – Vegetation facing north

Photo 48: Plot 10 – Vegetation facing east

Photo 49: Plot 10 – Vegetation facing south

Photo 50: Plot 10 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 11

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Undulating Local relief (concave, convex, none): None Slope (%): 0-1

Subregion (LRR or MLRA): LRR O Lat: 30.292147° Long: -91.92262° Datum: WGS 84

Soil Map Unit Name: Dundee silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☑	No ☐
Hydric Soil Present?	Yes ☑	No ☐			
Wetland Hydrology Present?	Yes ☑	No ☐			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☑ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):		
Water Table Present?	Yes ☐	No ☑	Depth (inches):		
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	**Wetland Hydrology Present?**	**Yes** ☑ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 11

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Herb Stratum (Plot size: 30ft)			
1. Eleocharis palustris (Common Spike-Rush)	80	yes	OBL
2. Cyperus eragrostis (Tall Flat Sedge)	40	yes	FACW
3.		no	
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	120	= Total Cover	
50 % of total cover: 60	20 % of total cover: 24		

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	80	x 1 =	80
FACW species	40	X 2 =	80
FAC species	0	X 3 =	0
FACU species	0	X 4 =	0
UPL species	0	X 5 =	0
Column Totals:	120 (A)		160 (B)

Prevalence Index = B/A = 1.33

Hydrophytic Vegetation Indicators:

- ☑ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☑ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 11

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-8	10YR 3/1	95	10YR 4/6	5	C	PL	Clay	
8-20	10YR 5/1	95	10YR 4/6	5	C	M	Silty Clay	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☑ **No** ☐

Remarks:

Photo 51: Plot 11 - Soil sample

Photo 52: Plot 11 – Vegetation facing north

Photo 53: Plot 11 – Vegetation facing east

Photo 54: Plot 11 – Vegetation facing south

Photo 55: Plot 11 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 12

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0-1

Subregion (LRR or MLRA): LRR O Lat: 30.291118° Long: -91.923954° Datum: WGS 84

Soil Map Unit Name: Dundee silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☐	No ☑			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 12

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus nigra (Water Oak)	25	yes	FAC
2. Quercus falcata (Southern Red Oak)	10	yes	FACU
3.		no	
4.		no	
5.		no	
6.		no	
	35	= Total Cover	

50 % of total cover: 18 20 % of total cover: 7

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Shrub Stratum (Plot size: 30ft)			
1. Triadica sebifera (Chinese Tallowtree)	10	yes	FAC
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	10	= Total Cover	

50 % of total cover: 5 20 % of total cover: 2

Herb Stratum (Plot size: 30ft)			
1. Solidago canadensis (Canadian Goldenrod)	40	yes	FACU
2. Liquidambar styraciflua (Sweet-Gum)	15	yes	FAC
3. Toxicodendron radicans (Eastern Poison Ivy)	10	no	FAC
4. Parthenocissus quinquefolia (Virginia-Creeper)	5	no	FACU
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	70	= Total Cover	

50 % of total cover: 35 20 % of total cover: 14

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 60 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	X 2 =	0
FAC species	60	X 3 =	180
FACU species	55	X 4 =	220
UPL species	0	X 5 =	0
Column Totals:	115 (A)		400 (B)

Prevalence Index = B/A = 3.48

Hydrophytic Vegetation Indicators:

- ☐ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☐ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 12

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 4/3	100		0			Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☑

Remarks:

Photo 56: Plot 12 - Soil sample

Photo 57: Plot 12 – Vegetation facing north

Photo 58: Plot 12 – Vegetation facing east

Photo 59: Plot 12 – Vegetation facing south

Photo 60: Plot 12 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 Site City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 13

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0-1

Subregion (LRR or MLRA): LRR O Lat: 30.293714° Long: -91.917727° Datum: WGS 84

Soil Map Unit Name: Tensas silty clay loam, 0 to 1 percent slopes NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☑	No ☐
Hydric Soil Present?	Yes ☑	No ☐			
Wetland Hydrology Present?	Yes ☑	No ☐			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☑ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):		
Water Table Present?	Yes ☐	No ☑	Depth (inches):		
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	**Wetland Hydrology Present?**	**Yes** ☑ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 13

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Herb Stratum (Plot size: 30ft)			
1. Leersia hexandra (Southern Cut Grass)	70	yes	OBL
2. Juncus effusus (Lamp Rush)	40	yes	OBL
3. Cyperus eragrostis (Tall Flat Sedge)	15	no	FACW
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	125	= Total Cover	
50 % of total cover: 63	20 % of total cover: 25		

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	110	x 1 =	110
FACW species	15	X 2 =	30
FAC species	0	X 3 =	0
FACU species	0	X 4 =	0
UPL species	0	X 5 =	0
Column Totals:	125 (A)		140 (B)

Prevalence Index = B/A = 1.12

Hydrophytic Vegetation Indicators:

- ☑ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☑ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 13

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 3/2	95	10YR 3/4	5	C	PL	Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☑ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☑ **No** ☐

Remarks:

Photo 61: Plot 13 - Soil sample

Photo 62: Plot 13 – Vegetation facing north

Photo 63: Plot 13 – Vegetation facing east

Photo 64: Plot 13 – Vegetation facing south

Photo 65: Plot 13 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 14

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): LRR O Lat: 30.293555° Long: -91.918397° Datum: WGS 84

Soil Map Unit Name: Tensas silty clay loam, 0 to 1 percent slopes NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☐	No ☑			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 14

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Herb Stratum (Plot size: 30ft)			
1. Paspalum urvillei (Vasey's Grass)	60	yes	FAC
2. Solidago canadensis (Canadian Goldenrod)	35	yes	FACU
3. Verbena brasiliensis (Vervain)	20	no	FACU
4. Ampelopsis arborea (Peppervine)	10	no	FAC
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	125	= Total Cover	

50 % of total cover: 63 20 % of total cover: 25

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	X 2 =	0
FAC species	70	X 3 =	210
FACU species	55	X 4 =	220
UPL species	0	X 5 =	0
Column Totals:	125 (A)		430 (B)

Prevalence Index = B/A = 3.44

Hydrophytic Vegetation Indicators:

☐ 1 – Rapid Test for Hydrophytic Vegetation

☐ 2 – Dominance Test is > 50%

☐ 3 – Prevalence Test is ≤ 3.0[1]

☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 14

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 2/2	98	10YR 3/6	2	C	M	Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☑

Remarks:

Photo 66: Plot 14 - Soil sample

Photo 67: Plot 14 – Vegetation facing north

Photo 68: Plot 14 – Vegetation facing east

Photo 69: Plot 14 – Vegetation facing south

Photo 70: Plot 14 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 Site City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 15

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0-1

Subregion (LRR or MLRA): LRR O Lat: 30.293131° Long: -91.919903° Datum: WGS 84

Soil Map Unit Name: Dundee silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☐	No ☑			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 15

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus virginiana (Live Oak)	20	yes	FACU
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	20	= Total Cover	

50 % of total cover: 10 20 % of total cover: 4

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Herb Stratum (Plot size: 30ft)			
1. Hordeum pusillum (Little Barley)	90	yes	FACU
2. Sorghum halepense (Johnson Grass)	20	no	FACU
3. Cirsium horridulum (Yellow Thistle)	10	no	FAC
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	120	= Total Cover	

50 % of total cover: 60 20 % of total cover: 24

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	X 2 =	0
FAC species	10	X 3 =	30
FACU species	130	X 4 =	520
UPL species	0	X 5 =	0
Column Totals:	140	(A)	550 (B)

Prevalence Index = B/A = 3.93

Hydrophytic Vegetation Indicators:

☐ 1 – Rapid Test for Hydrophytic Vegetation

☐ 2 – Dominance Test is > 50%

☐ 3 – Prevalence Test is ≤ 3.0[1]

☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 15

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 3/2	98	10YR 3/4	2	C	M	Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☑

Remarks:

Photo 71: Plot 15 - Soil sample

Photo 72: Plot 15 – Vegetation facing north

Photo 73: Plot 15 – Vegetation facing east

Photo 74: Plot 15 – Vegetation facing south

Photo 75: Plot 15 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 Site City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 16

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Depression Local relief (concave, convex, none): None Slope (%): 0-1

Subregion (LRR or MLRA): LRR O Lat: 30.292725° Long: -91.920553° Datum: WGS 84

Soil Map Unit Name: Tensas silty clay loam, 0 to 1 percent slopes NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☑	No ☐
Hydric Soil Present?	Yes ☑	No ☐			
Wetland Hydrology Present?	Yes ☑	No ☐			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☑ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):		
Water Table Present?	Yes ☐	No ☑	Depth (inches):		
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	**Wetland Hydrology Present?**	**Yes** ☑ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 16

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Herb Stratum (Plot size: 30ft)			
1. Cynodon dactylon (Bermuda Grass)	80	yes	FACU
2. Juncus marginatus (Bog Rush)	40	yes	FACW
3. Juncus effusus (Lamp Rush)	40	yes	OBL
4. Cyperus eragrostis (Tall Flat Sedge)	20	no	FACW
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	180	= Total Cover	
50 % of total cover: 90	20 % of total cover: 36		

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	40	x 1 =	40
FACW species	60	X 2 =	120
FAC species	0	X 3 =	0
FACU species	80	X 4 =	320
UPL species	0	X 5 =	0
Column Totals:	180 (A)		480 (B)

Prevalence Index = B/A = 2.67

Hydrophytic Vegetation Indicators:

- ☐ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☑ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 16

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 4/2	90	10YR 3/6	10	C	PL	Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☑ **No** ☐

Remarks:

Photo 76: Plot 16 - Soil sample

Photo 77: Plot 16 – Vegetation facing north

Photo 78: Plot 16 – Vegetation facing east

Photo 79: Plot 16 – Vegetation facing south

Photo 80: Plot 16 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 17

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Depression Local relief (concave, convex, none): Concave Slope (%): 0

Subregion (LRR or MLRA): LRR O Lat: 30.292903° Long: -91.92063° Datum: WGS 84

Soil Map Unit Name: Tensas silty clay loam, 0 to 1 percent slopes NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☑	No ☐
Hydric Soil Present?	Yes ☑	No ☐			
Wetland Hydrology Present?	Yes ☑	No ☐			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☑ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☑ Surface Soil Cracks (B6)
- ☑ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):		
Water Table Present?	Yes ☐	No ☑	Depth (inches):		
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	**Wetland Hydrology Present?**	**Yes** ☑ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 17

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Triadica sebifera (Chinese Tallowtree)	60	yes	FAC
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	60	= Total Cover	

50 % of total cover: 30 20 % of total cover: 12

Sapling Stratum (Plot size: 30ft)			
1. Triadica sebifera (Chinese Tallowtree)	10	yes	FAC
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	10	= Total Cover	

50 % of total cover: 5 20 % of total cover: 2

Shrub Stratum (Plot size: 30ft)			
1. Fraxinus pennsylvanica (Green Ash)	10	yes	FACW
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	10	= Total Cover	

50 % of total cover: 5 20 % of total cover: 2

Herb Stratum (Plot size: 30ft)			
1. Carex tribuloides (Blunt Broom Sedge)	20	yes	FACW
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	20	= Total Cover	

50 % of total cover: 10 20 % of total cover: 4

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	30	X 2 =	60
FAC species	70	X 3 =	210
FACU species	0	X 4 =	0
UPL species	0	X 5 =	0
Column Totals:	100 (A)		270 (B)

Prevalence Index = B/A = 2.7

Hydrophytic Vegetation Indicators:

- ☐ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☑ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 17

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 4/2	95	10YR 3/6	5	C	PL	Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☑ **No** ☐

Remarks:

Photo 81: Plot 17 - Soil sample

Photo 82: Plot 17 – Vegetation facing north

Photo 83: Plot 17 – Vegetation facing east

Photo 84: Plot 17 – Vegetation facing south

Photo 85: Plot 17 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 18

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): LRR O Lat: 30.292238° Long: -91.921334° Datum: WGS 84

Soil Map Unit Name: Tensas silty clay loam, 0 to 1 percent slopes NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☐	No ☑			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 18

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Herb Stratum (Plot size: 30ft)			
1. Sorghum halepense (Johnson Grass)	40	yes	FACU
2. Paspalum urvillei (Vasey's Grass)	35	yes	FAC
3. Solidago canadensis (Canadian Goldenrod)	30	yes	FACU
4. Verbena incompta (Brazilian Vervain)	20	no	FACU
5. Cirsium horridulum (Yellow Thistle)	10	no	FAC
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	135	= Total Cover	
50 % of total cover: 68	20 % of total cover: 27		

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	
50 % of total cover: 0	20 % of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	X 2 =	0
FAC species	45	X 3 =	135
FACU species	90	X 4 =	360
UPL species	0	X 5 =	0
Column Totals:	135 (A)		495 (B)

Prevalence Index = B/A = 3.67

Hydrophytic Vegetation Indicators:

☐ 1 – Rapid Test for Hydrophytic Vegetation

☐ 2 – Dominance Test is > 50%

☐ 3 – Prevalence Test is ≤ 3.0[1]

☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 18

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 4/3	100		0			Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☑

Remarks:

Photo 86: Plot 18 - Soil sample

Photo 87: Plot 18 – Vegetation facing north

Photo 88: Plot 18 – Vegetation facing east

Photo 89: Plot 18 – Vegetation facing south

Photo 90: Plot 18 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 19

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): LRR O Lat: 30.290632° Long: -91.92374° Datum: WGS 84

Soil Map Unit Name: Dundee silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☑	No ☐
Hydric Soil Present?	Yes ☑	No ☐			
Wetland Hydrology Present?	Yes ☑	No ☐			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☑ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☑ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☑ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 19

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua (Sweet-Gum)	5	yes	FAC
2. Triadica sebifera (Chinese Tallowtree)	5	yes	FAC
3.		no	
4.		no	
5.		no	
6.		no	
	10	= Total Cover	

50 % of total cover: 5 20 % of total cover: 2

Sapling Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Shrub Stratum (Plot size: 30ft)			
1. Morella cerifera (Southern Bayberry)	5	yes	FAC
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	5	= Total Cover	

50 % of total cover: 3 20 % of total cover: 1

Herb Stratum (Plot size: 30ft)			
1. Carex cherokeensis (Cherokee Sedge)	65	yes	FACW
2. Ambrosia trifida (Great Ragweed)	30	yes	FAC
3. Solidago altissima (Tall Goldenrod)	10	no	FACU
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	105	= Total Cover	

50 % of total cover: 53 20 % of total cover: 21

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	65	X 2 =	130
FAC species	45	X 3 =	135
FACU species	10	X 4 =	40
UPL species	0	X 5 =	0
Column Totals:	120 (A)		305 (B)

Prevalence Index = B/A = 2.54

Hydrophytic Vegetation Indicators:

- ☐ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☑ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point: 19

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 4/2	95	10YR 3/4	5	C	PL	Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☑ **No** ☐

Remarks:

Photo 91: Plot 19 - Soil sample

Photo 92: Plot 19 – Vegetation facing north

Photo 93: Plot 19 – Vegetation facing east

Photo 94: Plot 19 – Vegetation facing south

Photo 95: Plot 19 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 Site City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 20

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Ridge Local relief (concave, convex, none): Convex Slope (%): 0-1

Subregion (LRR or MLRA): LRR O Lat: 30.290105° Long: -91.924972° Datum: WGS 84

Soil Map Unit Name: Gallion-Perry complex, gently undulating NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☐	No ☑
Hydric Soil Present?	Yes ☐	No ☑			
Wetland Hydrology Present?	Yes ☐	No ☑			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):	
Water Table Present?	Yes ☐	No ☑	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	

Wetland Hydrology Present? **Yes** ☐ **No** ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 20

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus pennsylvanica (Green Ash)	40	yes	FACW
2. Quercus nigra (Water Oak)	30	yes	FAC
3.		no	
4.		no	
5.		no	
6.		no	
	70	= Total Cover	

50 % of total cover: 35 20 % of total cover: 14

Sapling Stratum (Plot size: 30ft)			
1. Quercus nigra (Water Oak)	15	yes	FAC
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	15	= Total Cover	

50 % of total cover: 8 20 % of total cover: 3

Shrub Stratum (Plot size: 30ft)			
1. Fraxinus pennsylvanica (Green Ash)	10	yes	FACW
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	10	= Total Cover	

50 % of total cover: 5 20 % of total cover: 2

Herb Stratum (Plot size: 30ft)			
1. Oplismenus hirtellus (Long-Leaf Basket Grass)	70	yes	FAC
2. Campsis radicans (Trumpet-Creeper)	25	yes	FAC
3. Persicaria hydropiperoides (Swamp Smartweed)	10	no	OBL
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	105	= Total Cover	

50 % of total cover: 53 20 % of total cover: 21

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	10	x 1 =	10
FACW species	50	X 2 =	100
FAC species	140	X 3 =	420
FACU species	0	X 4 =	0
UPL species	0	X 5 =	0
Column Totals:	200 (A)		530 (B)

Prevalence Index = B/A = 2.65

Hydrophytic Vegetation Indicators:

- ☐ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☑ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? **Yes** ☑ **No** ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 20

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 5/3	100		0				
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☑

Remarks:

Photo 96: Plot 20 - Soil sample

Photo 97: Plot 20 – Vegetation facing north

Photo 98: Plot 20 – Vegetation facing east

Photo 99: Plot 20 – Vegetation facing south

Photo 100: Plot 20 – Vegetation facing west

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Breaux Bridge I-10 Site City/County: St. Martin Parish Sampling Date: 06/07/2022

Applicant/Owner: One Acadiana State: LA Sampling Point: 21

Investigator(s): Elliot B., Will T. Section, Township, Range: 38, T09S, R05E

Landform (hillslope, terrace, etc.) Depression Local relief (concave, convex, none): Concave Slope (%): 0-1

Subregion (LRR or MLRA): LRR O Lat: 30.289451° Long: -91.926066° Datum: WGS 84

Soil Map Unit Name: Gallion-Perry complex, gently undulating NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☑ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑	No ☐	**Is the Sampled Area within a Wetland?**	Yes ☑	No ☐
Hydric Soil Present?	Yes ☑	No ☐			
Wetland Hydrology Present?	Yes ☑	No ☐			

Remarks:
-

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☑ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☑ Surface Soil Cracks (B6)
- ☑ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ☐	No ☑	Depth (inches):		
Water Table Present?	Yes ☐	No ☑	Depth (inches):		
Saturation Present? (includes capillary fringe)	Yes ☐	No ☑	Depth (inches):	**Wetland Hydrology Present?**	**Yes** ☑ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Five Strata) - Use scientific names of plants. Sampling Point 21

Tree Stratum (Plot size: 30ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus pennsylvanica (Green Ash)	50	yes	FACW
2. Quercus nigra (Water Oak)	25	yes	FAC
3. Triadica sebifera (Chinese Tallowtree)	10	no	FAC
4.		no	
5.		no	
6.		no	
	85	= Total Cover	

50 % of total cover: 43 20 % of total cover: 17

Sapling Stratum (Plot size: 30ft)			
1. Triadica sebifera (Chinese Tallowtree)	10	yes	FAC
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	10	= Total Cover	

50 % of total cover: 5 20 % of total cover: 2

Shrub Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
6.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Herb Stratum (Plot size: 30ft)			
1. Phanopyrum gymnocarpon (Savannah-Panic Grass)	40	yes	OBL
2. Saururus cernuus (Lizard's-Tail)	20	yes	OBL
3.		no	
4.		no	
5.		no	
6.		no	
7.		no	
8.		no	
9.		no	
10.		no	
11.		no	
	60	= Total Cover	

50 % of total cover: 30 20 % of total cover: 12

Woody Vine Stratum (Plot size: 30ft)			
1.		no	
2.		no	
3.		no	
4.		no	
5.		no	
	0	= Total Cover	

50 % of total cover: 0 20 % of total cover: 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	60	x 1 =	60
FACW species	50	X 2 =	100
FAC species	45	X 3 =	135
FACU species	0	X 4 =	0
UPL species	0	X 5 =	0
Column Totals:	155 (A)		295 (B)

Prevalence Index = B/A = 1.9

Hydrophytic Vegetation Indicators:

- ☐ 1 – Rapid Test for Hydrophytic Vegetation
- ☑ 2 – Dominance Test is > 50%
- ☑ 3 – Prevalence Test is ≤ 3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 21

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		Remarks
0-20	10YR 5/2	90	10YR 5/8	10	C	PL	Silty Clay	
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Suface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☑ **No** ☐

Remarks:

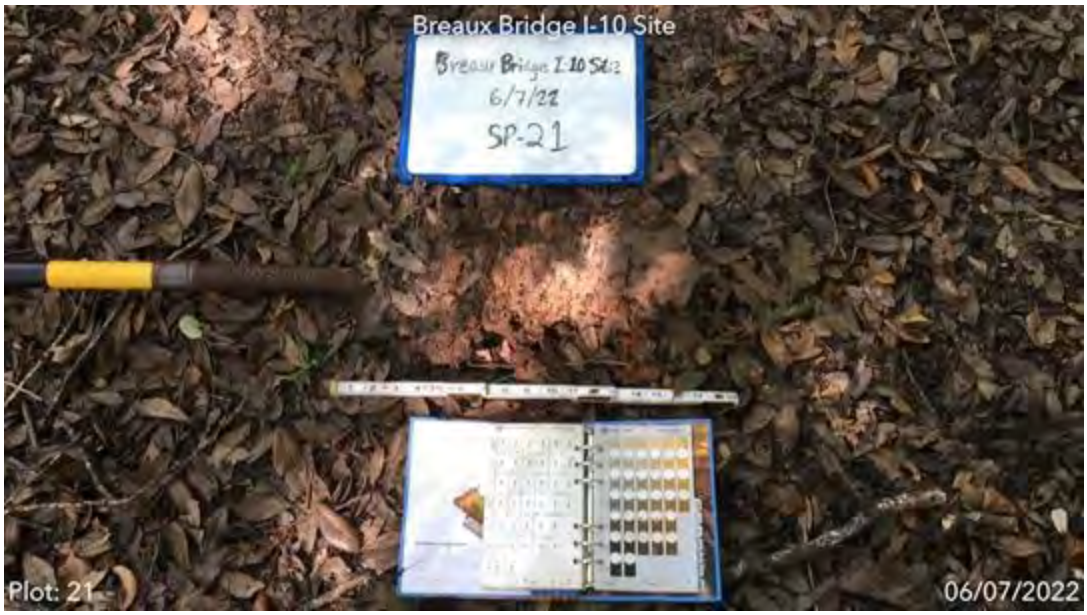

Photo 101: Plot 21 - Soil sample

Photo 102: Plot 21 – Vegetation facing north

Photo 103: Plot 21 – Vegetation facing east

Photo 104: Plot 21 – Vegetation facing south

Photo 105: Plot 21 – Vegetation facing west

Photo 106: OW-1, Facing west

Photo 107: OW-1, Facing east

Photo 108: OW-2, Facing west

Photo 109: OW-2, Facing east

Photo 110: OW-3, Facing north

Photo 111: OW-3, Facing south

Photo 112: OW-4, Facing west