Exhibit W. Foti - Highway 3120 N Wetlands Delineation Report







March 8, 2018

Via Electronic Mail

Mr. Jim Cavanaugh Baton Rouge Area Chamber iim@brac.org

Re: Wetland Data Report

Foti Highway 3120 N Project Ascension Parish, Louisiana Providence Project No. 1204-001

Dear Mr. Cavanaugh:

On behalf of Baton Rouge Area Chamber (BRAC), Providence Engineering and Environmental Group LLC (Providence) is submitting this wetland data report for the Foti Highway 3120 N project (hereinafter referred to as Site) in Ascension Parish, Louisiana.

BACKGROUND

The purpose of this report is to present field data, habitat descriptions, and other pertinent information on the three diagnostic characteristics of wetlands. This report was prepared in accordance with the *Corps of Engineers Wetlands Delineation Manual* (U.S. Army Corps of Engineers, Waterways Experiment Station 1987) and subsequent guidance provided in the Regional Supplement to the *Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region* (U.S. Army Corps of Engineers, Wetland Regulatory Assistance Program 2010). Providence biologists visited the Site on September 1, 2017, and collected field data on the three diagnostic wetland parameters – soils, vegetation, and hydrology.

Prior to field reconnaissance, Providence reviewed the Natural Resources Conservation Service (NRCS) Web Soil Survey (2016), the *Soil Survey of Ascension Parish* (United States Department of Agriculture, Soil Conservation Service 1990), United States Geological Survey (USGS) 7.5-minute topographic maps, and recent aerial photography. Included for your review are: **Figure 1** – Vicinity Map, **Figure 2** – Site Location Map, **Figure 3** - Aerial Photograph, **Figure 4** – Soils Map, **Exhibit 1** – Copies of Site Photographs, and **Exhibit 2** – Routine Wetland Determination Data Forms – Atlantic and Gulf Coastal Plain Region.

PROJECT LOCATION & DESCRIPTION

The 9.79-acre Site is centered at Latitude 30.097715°; Longitude -90.942316° in Sections 7 and 10, Township 11 South, Range 15 East of Ascension Parish. Access to the Site is via Simneaux Derrick Road. The Site is characterized by upland pasture with linear historical ephemeral drains.

SOILS

The NRCS Web Soil Survey was used to determine mapped soil series. The revised official series descriptions were used to confirm profile matrix, redox features, and texture of soils underlying the Site. The Web Soil Survey shows that the Site may be underlain by three soil map units (NRCS Web Soil Survey 2016). **Table 1** shows the soil map unit's individual soil components, component percentage, and hydric status in Ascension Parish (NRCS Survey Area Data, Version 11, September 23, 2016).

Table 1: NRCS Web Soil Survey Data

Map Unit Name	Soil Series/ Component	Component Percentage	Hydric Status
Cm: Commerce silt loam, 0 to 1 perce	ent slopes		
	Commerce	65-88	No
	Bruin	4-15	No
	Tensas	3-10	
	Sharkey	3-5	Yes
	Newelton	2-5	
Co: Commerce silty clay loam			
	Commerce	90	No
	Sharkey	10	Yes
Tu: Thibaut clay, 0 to 1 percent slope	S		
	Thibaut	85	Yes
	Schriever	10	Yes
	Cancienne	5	No

Providence collected soil samples between the surface and approximately 16 inches. The depth of each sample was sufficient to determine changes in upper horizons and to observe field indicators of hydric soils. Based on field observations, the wetland criterion for hydric soils was met at three of the five sample locations established by Providence to characterize the Site.

VEGETATION1

Indicator statuses for dominant vegetation on the Site consists of facultative upland (FACU), facultative (FAC), facultative wetland (FACW), and obligate (OBL) species. **Table 2** is a list of the dominant species observed at the Site.

Table 2: Dominant Plant Species

Common Name	Scientific Name	Cowardin Class
Bahia grass	Paspalum notatum	FACU
Big bluestem	Andropogon gerardii	FAC
Blunt spike-rush	Eleocharis obtusa	OBL

¹ Lichvar, R.W., M. Butterwick, N.C. Melvin, and W.N. Kirchner. 2014. *The National Wetland Plant List*: 2014 Update of Wetland Ratings. Phytoneuron 2014-41: 1-42

Providence Engineering and Environmental Group LLC

Common Name	Scientific Name	Cowardin Class
Lamp rush	Juncus effusus	OBL
Rusty flat sedge	Cyperus odoratus	FACW
Short-bristle horned beak sedge	Rhynchospora corniculata	OBL
Virginia buttonweed	Diodia virginiana	FACW

The wetland criterion for a prevalence of hydrophytic vegetation was met at four of the five sample locations established by Providence to characterize the Site.

HYDROLOGY

The Site is in the East Central Louisiana Coastal watershed; within the United States Geological Survey (USGS) Hydrologic Cataloguing Unit 08090301. Hydrology on the Site is influenced by rainfall and sheetflow. Primary and Secondary indicators of hydrology observed at the Site include: saturation, surface water, high water table, and positive FAC-neutral tests. The wetland criterion for hydrology was met at two of the five sample locations established by Providence biologists to characterize the Site.

CONCLUSIONS

It appears that approximately 1,152.49 linear feet (1.35 acres) of potential Other Waters of the U.S. from historical ephemeral drains may be present on the Site.

As requested in the solicitation for wetland services sent to Providence on August 17, 2017, below are the answers to the following questions:

- 1. Do wetlands and/or other waterways exist on or near the site?
 - a. Yes, other waters are present on the site and are included in the attached figures and shapefiles.
- 2. If wetlands are present, has a section 404 Permit Application been submitted to USACE?
 - a. No
- 3. If wetlands are present, has a section 404 Permit Application been received from USACE?
 - a. No
- 4. If wetlands are present, have all wetlands on the site been mitigated?
 - a. No

If you have any questions or require additional information, please contact me at (225) 766-7400 or timkimmel@providenceeng.com.

Sincerely,

Tim Kimmel

Environmental Scientist

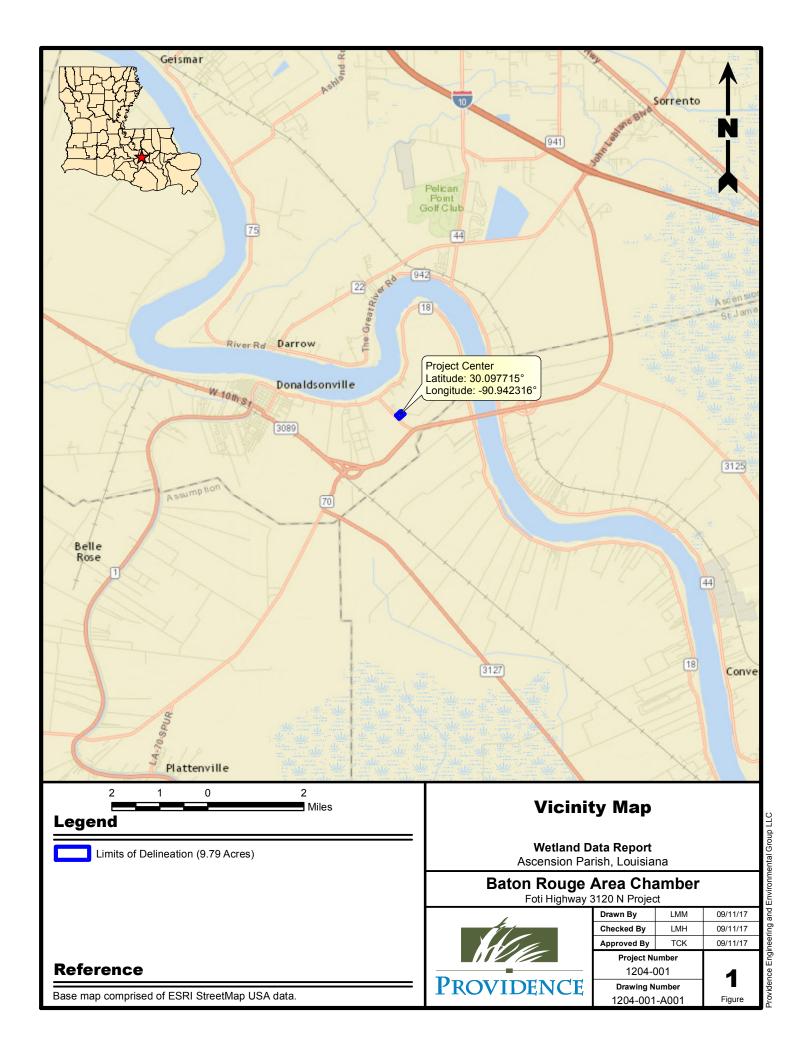
Providence Engineering and Environmental Group LLC

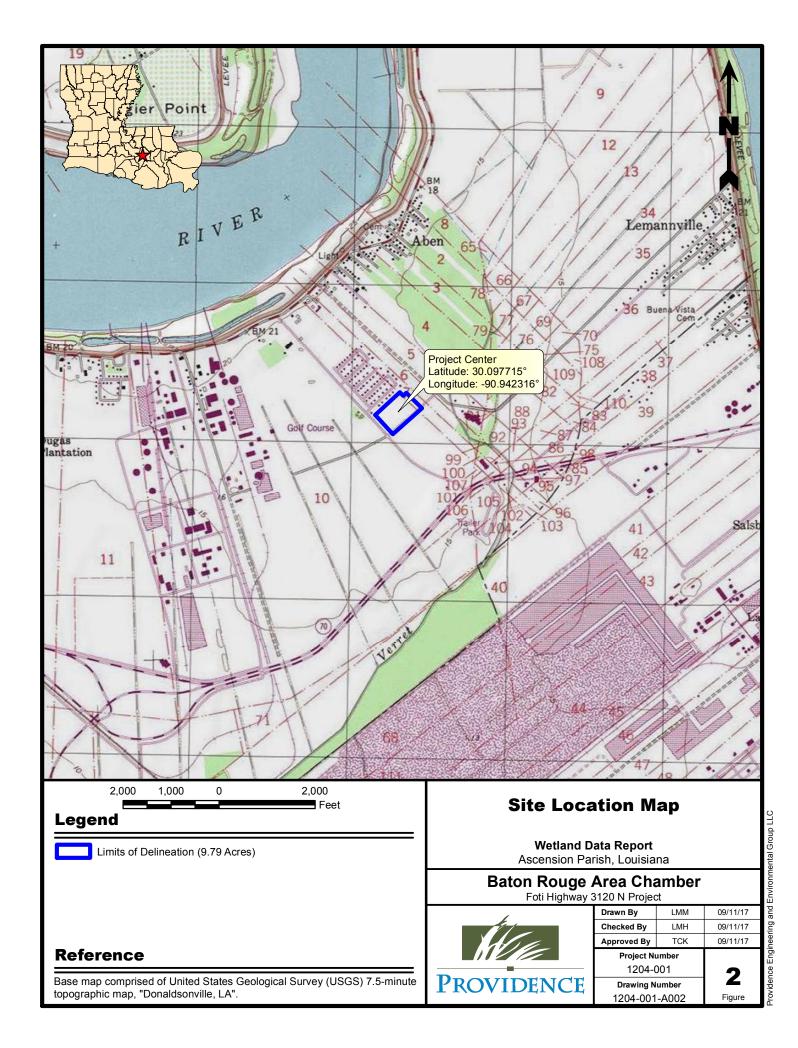
1201 Main Street

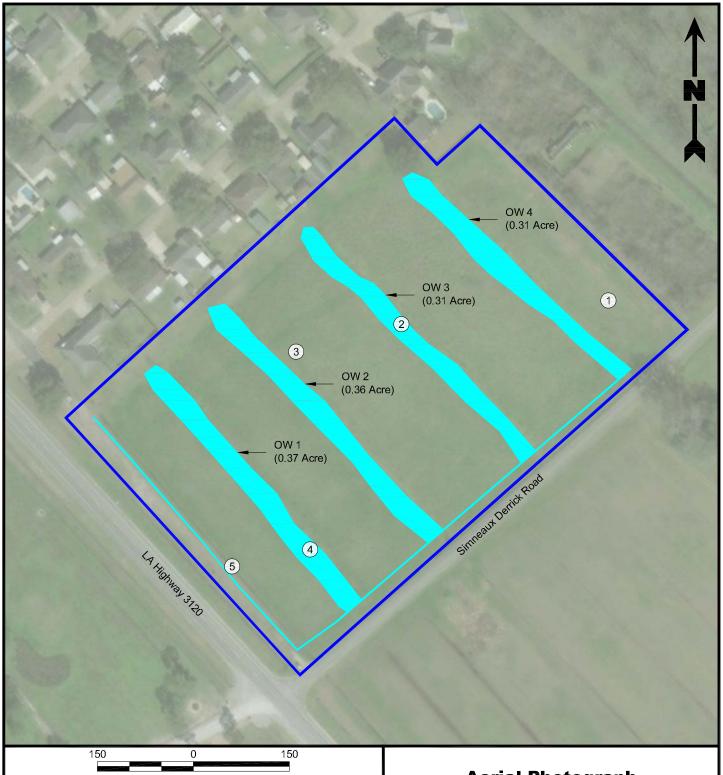
Baton Rouge, Louisiana 70802

Providence Engineering and Environmental Group LLC

FIGURES







Scale: 1" = 150' Legend

Limits of Delineation (9.79 Acres)

Potential Other Waters of The U.S. (1,152.49 Linear Feet, 1.35 Acres)

Sample Location

Reference

(3)

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 09/11/17.

Aerial Photograph

Wetland Data Report Ascension Parish, Louisiana

Baton Rouge Area Chamber

Foti Highway 3120 N Project



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Checked By	Checked By LMH			
Approved By	10/12/17			
Project N				
1204-0	3			
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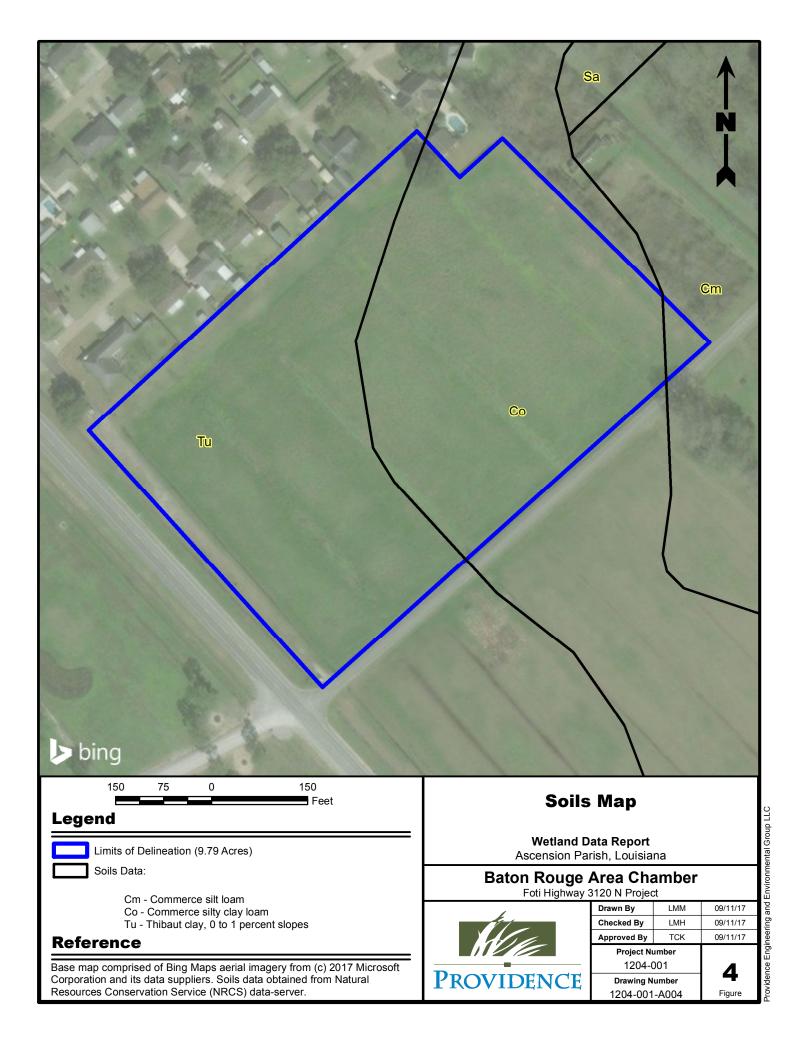


EXHIBIT 1 COPIES OF SITE PHOTOGRAPHS

Baton Rouge Area Chamber

Site Name: Foti Highway 3120 N

Site Location: Ascension Parish, Louisiana

Date: September 1, 2017

Photograph #1A

Direction:

N/A

Comments:

View of soil profile at Sample Location 1.



Photograph #1B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 1.



Baton Rouge Area Chamber

Site Name: Foti Highway 3120 N

Site Location: Ascension Parish, Louisiana

Date: September 1, 2017

Photograph #2A

Direction:

N/A

Comments:

View of soil profile at Sample Location 2.



Photograph #2B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 2.



Site Name: Foti Highway 3120 N Site Location: Ascension Parish, Louisiana Date: September 1, 2017

Photograph #3A

Direction:

N/A

Comments:

View of soil profile at Sample Location 3.



Photograph #3B

Direction:

East

Comments:

View of habitat and typical landscape features at Sample Location 3.



		Baton Rouge Area Chamber
Site Name:	Foti Highway 3120 N	
Site Location:	Ascension Parish, Louisiana	
Date:	September 1, 2017	

Photograph #4A

Direction:

N/A

Comments:

View of soil profile at Sample Location 4.

No soil sample collected due to inundation.

Photograph #4B

Direction:

North

Comments:

View of habitat and typical landscape features at Sample Location 4.



Site Name: Foti Highway 3120 N Site Location: Ascension Parish, Louisiana Date: September 1, 2017

Photograph #5A

Direction:

N/A

Comments:

View of soil profile at Sample Location 5.



Photograph #5B

Direction:

North

Comments:

View of habitat and typical landscape features at Sample Location 5.



EXHIBIT 2

ROUTINE WETLAND DETERMINATION DATA FORMS – ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site:	Foti Highway 3120) N		Parish: Ascension		Sampling Date:	9/1/2017
Applicant/Owner:	Baton Rouge Area			State: Louisiana		Sampling Point:	1
					D		in 11 Courth Donne 15 Foot
Investigator(s):	Tanner Jones, Tim			Section, Township			ip 11 South, Range 15 East
Landform (hillslop		Flat			Local Relief (concave	, convex, none): No	
Subregion (LRR o	or MLRA):	LRR O	Lat: 30.098057°		Long: -90.941146°		Datum: NAD83
Soil Map Unit Nar	ne:	Commerce silty cla	y loam			NWI Classification	: None
Are climatic / hydr	ologic conditions or	the site typical for t	this time of year?	Yes (If no exp	lain in Remarks)		
Are Vegetation	, Soil ,	or Hydrology	significantly distur	bed? No	Are "Normal Circumst	ances" present?	Yes
Are Vegetation		or Hydrology	naturally problema		(If needed, explain an		
SUMMARY OF F		or riyarology	_ naturally problem	110.	(II riceded, explain an	y anowers in recina	110.)
			1.	1			
Hydrophytic Vege			lo .				
Hydric Soil Preser		N	1 0	Is the Sampled A	rea within a Wetland?	?	No
Wetland Hydrolog	y Present?	N	10				
Remarks:				-			
HYDROLOGY							
Wetland Hydrolo						Secondary Indicate	
Primary Indicators	s (Need 1):					No	Surface Soil Cracked (B6)
No	Surface Water (A1)	No	Water Stained Lea	ives (B9)	No	Sparsely Veg. Concave Surface (B8)
No	High Water Table	(A2)	No	Aquatic Fauna (B1	3)	No	Drainage Patterns (B10)
No	Saturation (A3)	` '	No	Marl Deposits (B1		No	Moss Trim Lines (B16)
No	Water Marks (B1)		No	Hydrogen Sulfide	, ,	No	Dry-Season Water Table (C2)
	• ' '	(DO)			, ,		• • • • • • • • • • • • • • • • • • • •
No	Sediment Deposits		No	Oxidized Root Ch	, ,	No	Crayfish Burrows (C8)
No	Drift Deposits (B3)		No	Presence of Redu		No	Saturation on Aerial Imagery (C9)
No	Algal Mat or Crust	(B4)	No	Recent Reduct. in	Tilled Soils (C6)	No	Geomorphic Position (D2)
No	Iron Deposits (B5)		No	Thin Muck Surface		No	Shallow Aquitard (D3)
		al Imagen/ (B7)			` '		FAC-Neutral Test (D5)
No	Inundation on Aeri	ai iiiayeiy (D/)	No	Other (Explain in F	remairs)	No	
						No	Sphagnum Moss (D8) (LRR T, U)
Field Observatio	ns:				· 	l	
Surface Water Pre	esent?	None	Depth (inches):	N/A		Wetland Hydrolog	av Present?
Water table Prese		None	Depth (inches):	N/A			No
							NO
Saturation Preser	IT?	None	Depth (inches):	N/A			
Remarks:							
SOIL							
Depth	Ma	atrix		Redox	r Features		Texture
Inches	Color	%	Color	%	Type	Location	
							ailtu alau
0-16	10YR 3/3	95	10YR 5/8	5	С	M	silty clay
			1				
Type: C=Concent	ration, D=Depletion	RM=Reduced Mati	rix, CS=Covered or	Coated Sand Grain	S	Location: PL=Pore	Lining, M=Matrix
7.			•				o .
Hydric Soil Indic	atore:					Indicators for Pro	hlematic Soils:
1 -				Dalamatica Dalam Con	f (00) (I DD 0 T II)		
No	Histol (A1)		No		rface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)
No	Histic Epipedon (A2))	No	Thin Dark Surface (S	69) (LRR S,T,U)	No	2cm Muck (A10) (LRR S)
No	Black Histic (A3)		No	Loamy Mucky Miner	al (F1) (LRR (O)	No	Reduced Vertic (F18) (outside MLRA 150A,B)
No	Hydrogen Sulfide (A	4)	No	Loamy Gleyed Matri		No	Piedmont Floodplain Soils (F19) (LRR P,S,T)
No	Stratified Layers (A5		No	Depleted Matrix (F3)		No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)
	Organic Bodies (A6)			Redox Dark Surface			
No	_ ` ` '		No		` '	No	Red Parent Material (TF2)
No	5cm Mucky Mineral		No	Depleted Dark Surfa	, ,	No	Very Shallow Dark Surface (TF12)
No	Muck Presence (A8)	(LRR U)	No	Redox Depressions	(F8)	No	Other (Explain)
No	1cm Muck (A9) (LR		No	Marl (F10) (LRR U)			•
No	Depleted Below Dark		No	Depleted Ochric (F1	1) (MI RA 151)		
				- '			
No	Thick Dark Surface (, ,	No		sses (F12) (LRR O,P,T)		
No		(A16) (MLRA 150A)	No	Umbric Surface (F13			
No	Sandy Mucky Minera	al (S1) (LRR O,S)	No	Delta Ochric (F17) (I	MLRA 151)		
No	Sandy Gleyed Matrix	(S4)	No		B) (MLRA 150A, 150B)		
No	Sandy Redox (S5)	` '		•			
			No No		Soils (F19) (MLRA 1494	•	
No	Stripped Matrix S6)		No	Anomalous Bright Lo	oamy Soils (F20) (MRLA	149A, 153C, 153D)	
No	Dark Surface (S7) (L	.RR P, S, T, U)					
Restrictive Layer	r (if observed):						
Type:	None					Hydric Soil Prese	nt?
			_			, and John Frese	
Depth inches:	None		_				No
Remarks:					·		
1							
1							
1							

VEGETATION SAMPLING POINT Absolute % Dominant Dominance Test Worksheet: Tree Stratum Plot Size: 30 Indicator Status Number of Dominant Species That Cover Species (A): are OBL, FACW, or FAC None Total Number of Dominant Species Across All Strata Percent of Dominant Species (A/B): That Are OBL, FACW, or FAC 50.00% Prevalence Index Worksheet: 50/20 Threshold 0 Multiply = Total Cover Total % Cover of: 50% of Total Cover = 0 20% of Total Cover = OBL FACW Dominant x2= Sapling Stratum Plot Size: 30' Indicator Status Species Cover FAC x3= FACU x4= None UPL x5= A Totals В Prevalence Index (B/A)= Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Veg: Dominance Test > 50% No Prevalence Index is ≤3.0 N/A Problematic Hydrophytic Veg: No Definitions of Vegetation Strata: 0 50/20 Threshold = Total Cover 50% of Total Cover = 0 Tree - Woody plants, excluding woody vines, approximately 20' or 20% of Total Cover = more in height and 3" or larger in DBH. Dominant Shrub Stratum Plot Size: 30' Indicator Status Cover Species None Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in heiaht. Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. = Total Cover 50/20 Threshold 50% of Total Cover = 0 Woody vine - All woody vines, regardless of height. 20% of Total Cover = Absolute Dominant Remarks: Plot Size: 30' Indicator Status Herb Stratum Cover Species Andropogon gerardii 60 Yes FAC Paspalum notatum Yes 40 FACU Diodia virginiana No FACW 20 Sorghum halepense 20 No FACU Ipomoea cordatotriloba FACU No 20 20 No FACU Mimosa pudica 10 No FACU Phleum pratense 10 No FACU 50/20 Threshold 200 = Total Cover 50% of Total Cover = 100 20% of Total Cover = Woody Vine Absolute % Dominant Plot Size: 30' Indicator Status Stratum Cover Species 50/20 Threshold Hydrophytic Vegetation Present? 0 = Total Cover 50% of Total Cover = 0 No 20% of Total Cover = 0

	Foti Highway 3120	N N	Parish: Ascension			Sampling Date: 9/1/2017		
Project/Site:	Baton Rouge Area			State: Louisiana		Sampling Point: 2		
Applicant/Owner:					_	1 5		
Investigator(s):	Tanner Jones, Tim			Section, Township		Section 10, Township 11 South, Range 15 East		
Landform (hillslope		Flat			Local Relief (concave	, convex, none): No		
Subregion (LRR o	r MLRA):	LRR O	Lat: 30.097958°		Long: -90.942183°		Datum: NAD83	
Soil Map Unit Nan	ne:	Commerce silty clay	y loam		_	NWI Classification	: None	
Are climatic / hydr	ologic conditions or	the site typical for t	nis time of year?	Yes (If no exp	lain in Remarks)			
Are Vegetation		or Hydrology	significantly distur	bed? No	Are "Normal Circumst	ances" present?	Yes	
Are Vegetation		or Hydrology	naturally problema		(If needed, explain an	•		
SUMMARY OF FI		or rrydrology	indianally problems	110. 110	(II riccaca, explain an	y anowers in recinal	10.)	
		V		Т				
Hydrophytic Veget			es			_		
Hydric Soil Preser			es	Is the Sampled A	rea within a Wetland?	ž.	Yes	
Wetland Hydrolog	y Present?	Y	es					
Remarks:								
HYDROLOGY								
	and Indiantana					Casandani Indiaat	are (Need 2):	
Wetland Hydrolo						Secondary Indicate		
Primary Indicators					(= 4)	No	Surface Soil Cracked (B6)	
No	Surface Water (A1	•	No	Water Stained Lea	, ,	No	Sparsely Veg. Concave Surface (B8)	
Yes	High Water Table	(A2)	No	_ Aquatic Fauna (B1	3)	No	Drainage Patterns (B10)	
Yes	Saturation (A3)		No	Marl Deposits (B15	5) (LRR U)	No	Moss Trim Lines (B16)	
No	Water Marks (B1)		No	Hydrogen Sulfide (Odor (C1)	No	Dry-Season Water Table (C2)	
No	Sediment Deposits	s (B2)	No	Oxidized Root Cha	, ,	No	Crayfish Burrows (C8)	
No	Drift Deposits (B3)	, ,	No	Presence of Reduc	, ,	No	Saturation on Aerial Imagery (C9)	
							3 , , ,	
No	Algal Mat or Crust	(14)	No No	Recent Reduct. in		No No	Geomorphic Position (D2)	
No	Iron Deposits (B5)		No	Thin Muck Surface	, ,	No	Shallow Aquitard (D3)	
No	Inundation on Aeri	al Imagery (B7)	No	Other (Explain in F	Remarks)	Yes	FAC-Neutral Test (D5)	
						No	Sphagnum Moss (D8) (LRR T, U)	
Field Observation	ns:					T T	•	
Surface Water Pre		None	Depth (inches):	N/A		Wetland Hydrolog	av Present?	
Water table Prese		Yes	Depth (inches):	16			Yes	
Saturation Presen			,				163	
	l f	Yes	Depth (inches):	0-16		<u> </u>		
Remarks:								
SOIL								
	M	atrix	1	Dodos	Features		Texture	
Depth			0.1				rexture	
Inches	Color	%	Color	%	Туре	Location	76 1	
0-4	10YR 3/2	100					silty clay	
4-16	10YR 4/2	95	10YR 3/6	5	С	M	silty clay	
						ı		
				1				
			 	+		+		
		DM D 1 114 1		0 1 10 10 1				
			x, CS=Covered or	Coated Sand Grains	S	Location: PL=Pore	: Lining M=Matrix	
Type: C=Concentr	ration, D=Depletion,	, RIVI=Reduced IVIatr					ziming, m. maan	
• •		, RM=Reduced Matr					•	
Type: C=Concentr		, RM=Reduced Matr				Indicators for Pro	•	
• •		, RM=Reduced Matr	No	Polyvalue Below Sur	face (S8) (LRR S,T,U)	Indicators for Pro	•	
Hydric Soil Indica	ators:		No No	Polyvalue Below Sur Thin Dark Surface (S			oblematic Soils:	
Hydric Soil Indica No No	ators: Histol (A1) Histic Epipedon (A2)		No	Thin Dark Surface (S	9) (LRR S,T,U)	No No	oblematic Soils: 1cm Muck (A9) (LRR O) 2cm Muck (A10) (LRR S)	
Hydric Soil Indica No No No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3)	1	No No	Thin Dark Surface (S Loamy Mucky Minera	69) (LRR S,T,U) al (F1) (LRR (O)	No No No	bblematic Soils: 1cm Muck (A9) (LRR O) 2cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A,B)	
Hydric Soil Indica No No No No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A	4)	No No No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix	59) (LRR S,T,U) al (F1) (LRR (O) x (F2)	No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A,B) Piedmont Floodplain Soils (F19) (LRR P,S,T)	
Hydric Soil Indica No No No No No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A- Stratified Layers (A5	4)	No No No Yes	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3)	69) (LRR S,T,U) al (F1) (LRR (O) x (F2)	No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No No No No No No No No	Histio (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A- Stratified Layers (A5) Organic Bodies (A6)	4)) (LRR P,T,U)	No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface	99) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6)	No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No No No No No No No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A- Stratified Layers (A5) Organic Bodies (A6) 5cm Mucky Mineral (4)) (LRR P,T,U) (A7) (LRR P,T,U)	No No No Yes No No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa	S9) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7)	No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No No No No No No No No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral I Muck Presence (A8)	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U)	No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions	S9) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7)	No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No No No No No No No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A- Stratified Layers (A5) Organic Bodies (A6) 5cm Mucky Mineral (4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U)	No No No Yes No No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa	S9) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7)	No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral I Muck Presence (A8)	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T)	No No No Yes No No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8)	No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A- Stratified Layers (A5 Organic Bodies (A6) Stratified Layers (A6) Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11)	No No No No Yes No No No No No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151)	No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A. Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral I Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11)	No No No No Yes No No No No No No No No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1: Iron-Manganese Mar	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T)	No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No No No No No No No No No No	Ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A) Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1: Iron-Manganese Max Umbric Surface (F13	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) b) (LRR P, T, U)	No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (A9) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera	4)) ((LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mat Umbric Surface (F13 Delta Ochric (F17) (I	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) b) (LRR P, T, U) MLRA 151)	No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A- Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Dari Thick Dark Surface (Coast Prairie Redox Sandy Mucky Mineral Sandy Gleyed Matrix	4)) ((LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mat Umbric Surface (F13) Delta Ochric (F17) (I Reduced Vertic (F18)	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) b) (LRR P, T, U) MLRA 151)) (MLRA 150A, 150B)	No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Miners Sandy Gleyed Matrix Sandy Redox (S5)	4)) ((LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A, Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Mineral Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6)	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) b) (LRR P, T, U) MLRA 151)) (MLRA 150A, 150B)	No No No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Miners Sandy Gleyed Matrix Sandy Redox (S5)	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No No No No No No No No No No No No No	Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5) 5cm Mucky Mineral (A5) 1cm Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Mineral Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5) Organic Bodies (A6) 5cm Mucky Mineral (A) Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (if observed):	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No No	Discrete Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (If observed): None	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No	bilematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5) Organic Bodies (A6) 5cm Mucky Mineral (A) Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (if observed):	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No No	Discrete Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (If observed): None	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No No	blematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (If observed): None	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No No	bilematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (If observed): None	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No No	bilematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (If observed): None	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No No	bilematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (If observed): None	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No No	bilematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (If observed): None	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No No	bilematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (If observed): None	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No No	bilematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (If observed): None	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No No	bilematic Soils: 1cm Muck (A9) (LRR O) 2cm 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)	
Hydric Soil Indica No	ators: Histol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A Stratified Layers (A5 Organic Bodies (A6) 5cm Mucky Mineral (Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Darl Thick Dark Surface (Coast Prairie Redox Sandy Mucky Minera Sandy Gleyed Matrix Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (L (If observed): None	4)) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) R P,T) k Surface (A11) A12) (A16) (MLRA 150A) al (S1) (LRR O,S) k (S4)	No No No No Yes No	Thin Dark Surface (S Loamy Mucky Minera Loamy Gleyed Matrix Depleted Matrix (F3) Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Mar Umbric Surface (F13 Delta Ochric (F17) (I Reduced Vertic (F18 Piedmont Floodplain	69) (LRR S,T,U) al (F1) (LRR (O) x (F2) (F6) ce (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) t) (LRR P, T, U) MLRA 151) 5) (MLRA 150A, 150B) Soils (F19) (MLRA 149A	No No No No No No No No No	bilematic Soils: 1cm Muck (A9) (LRR 0) 2cm 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)	

VEGETATION SAMPLING POINT Absolute % Dominance Test Worksheet: Tree Stratum Plot Size: 30' Indicator Status Number of Dominant Species That Cover Species (A): are OBL, FACW, or FAC None Total Number of Dominant Species Across All Strata Percent of Dominant Species (A/B): That Are OBL, FACW, or FAC 66.67% Prevalence Index Worksheet: 50/20 Threshold 0 = Total Cover Multiply Total % Cover of: 50% of Total Cover = 0 20% of Total Cover = OBL FACW x2= Sapling Stratum Plot Size: 30' Indicator Status x3= Cover Species FAC FACU x4= None UPL x5= A Totals В Prevalence Index (B/A)= Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Veg: Dominance Test > 50%: Yes Prevalence Index is ≤3.0: N/A Problematic Hydrophytic Veg: No Definitions of Vegetation Strata: 0 50/20 Threshold = Total Cover 50% of Total Cover = 0 Tree - Woody plants, excluding woody vines, approximately 20' or 20% of Total Cover = more in height and 3" or larger in DBH. Shrub Stratum Plot Size: 30' Indicator Status Cover Species Sapling - Woody plants, excluding woody vines, approximately 20' None or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in heiaht. Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. 50/20 Threshold = Total Cover 50% of Total Cover = 0 Woody vine - All woody vines, regardless of height. 20% of Total Cover = Absolute Dominant Remarks: Herb Stratum Plot Size: 30' Indicator Status Cover **Species** Paspalum notatum 30 Yes **FACU** 20 Yes OBL Rhynchospora corniculata Yes OBL 20 Cyperus odoratus 10 No FACW Persicaria pensylvanica 10 No FACW 50/20 Threshold 90 = Total Cover 50% of Total Cover = 45 20% of Total Cover = Woody Vine Absolute % Plot Size: 30' Indicator Status Cover Species Stratum None 50/20 Threshold Hydrophytic Vegetation Present? 0 = Total Cover 50% of Total Cover = 0 Yes 20% of Total Cover = 0

Project/Site:	Foti Highway 3120	O N		Parish: Ascension		Sampling Date:	9/1/2017
Applicant/Owner:	Baton Rouge Area			State: Louisiana		Sampling Point:	3
Investigator(s):	Tanner Jones, Tin			Section, Township	. Range:	Section 10, Township 11 South, Range 15 East	
Landform (hillslope		Flat			Local Relief (concave		
Subregion (LRR o		LRR O	Lat: 30.097854°		Long: -90.942705°	0011100, 110110/1	Datum: NAD83
Soil Map Unit Nam		Thibaut clay	Lat. 30.037034		Long30.342703	NWI Classification	
		n the site typical for	this time of year?	Vec (If no eyn	lain in Remarks)	IVVI Classification	i. None
Are Vegetation			significantly distur		Are "Normal Circumst	ances" present?	Yes
		or Hydrology					
Are Vegetation		or Hydrology	_ naturally problema	atic? No	(If needed, explain an	y answers in Rema	IKS.)
SUMMARY OF FI			,	•			
Hydrophytic Veget			es				
Hydric Soil Preser			√o	is the Sampled A	rea within a Wetland?	•	No
Wetland Hydrolog	y Present?	ľ	lo .				
Remarks:							
HYDROLOGY							
Wetland Hydrolo	gy Indicators					Secondary Indicat	ors (Need 2):
Primary Indicators	(Need 1):					No	Surface Soil Cracked (B6)
No	Surface Water (A	1)	No	Water Stained Lea	aves (B9)	No	Sparsely Veg. Concave Surface (B8)
No	High Water Table	(A2)	No	Aquatic Fauna (B1	13)	No	Drainage Patterns (B10)
No	Saturation (A3)	,	No	Marl Deposits (B1		No	Moss Trim Lines (B16)
No	Water Marks (B1)		No	Hydrogen Sulfide		No	Dry-Season Water Table (C2)
No	Sediment Deposit		No	Oxidized Root Ch	, ,	No	Crayfish Burrows (C8)
	Drift Deposits (B3			Presence of Redu	. ,		Saturation on Aerial Imagery (C9)
No		,	No No	Recent Reduct. in		No No	
No	Algal Mat or Crust		No No		, ,	No	Geomorphic Position (D2)
No	Iron Deposits (B5)		No	Thin Muck Surface	, ,	No	Shallow Aquitard (D3)
No	Inundation on Aer	ial Imagery (B7)	No	Other (Explain in F	Remarks)	Yes	FAC-Neutral Test (D5)
						No	Sphagnum Moss (D8) (LRR T, U)
Field Observation							
Surface Water Pre	esent?	None	Depth (inches):	N/A		Wetland Hydrolo	gy Present?
Water table Prese	nt?	None	Depth (inches):	N/A			No
Saturation Present	t?	None	Depth (inches):	N/A			
Remarks:							
SOIL							
Depth	Г м	atrix		Rado	x Features		Texture
			Color	%		Location	Texture
Inches	Color	%	Color		Туре	Location	olov
0-16	10YR 4/3	95	10YR 3/6	5	С	M	clay
Type: C=Concentr	ration, D=Depletion	, RM=Reduced Mat	rix, CS=Covered or	Coated Sand Grain	S	Location: PL=Pore	Lining, M=Matrix
,,	, ,	•	,				3,
Hydric Soil Indica	ators:					Indicators for Pro	oblematic Soils:
No	Histol (A1)		No	Polyvalue Below Su	rface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)
No	Histic Epipedon (A2)	No	Thin Dark Surface (\$		No	2cm Muck (A10) (LRR S)
No	Black Histic (A3)	,	No	Loamy Mucky Miner		No	Reduced Vertic (F18) (outside MLRA 150A,B)
		.4)					
No	Hydrogen Sulfide (A		No No	Loamy Gleyed Matrix		No No	Piedmont Floodplain Soils (F19) (LRR P,S,T)
No	Stratified Layers (AS		No No	Depleted Matrix (F3)		No No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)
No	Organic Bodies (A6		No	Redox Dark Surface	• •	No	Red Parent Material (TF2)
No	5cm Mucky Mineral		No	Depleted Dark Surfa		No	Very Shallow Dark Surface (TF12)
No	Muck Presence (A8		No	Redox Depressions	(F8)	No	Other (Explain)
No	1cm Muck (A9) (LF		No	Marl (F10) (LRR U)			
No	Depleted Below Dar	k Surface (A11)	No	Depleted Ochric (F1	1) (MLRA 151)		
No	Thick Dark Surface	(A12)	No	Iron-Manganese Ma	sses (F12) (LRR O,P,T)		
No		(A16) (MLRA 150A)	No	Umbric Surface (F13			
No	Sandy Mucky Miner	· , · ,	No	Delta Ochric (F17) (
No	Sandy Gleyed Matri		No	-	B) (MLRA 150A, 150B)		
No	Sandy Redox (S5)	. ,	No	•	n Soils (F19) (MLRA 149 <i>i</i>	1)	
No	Stripped Matrix S6)		No	-	pamy Soils (F20) (MRLA	•	
	_ ''	IDDD S T III	INU	Anomaious Drigit Lo	Jamy Julis (FZU) (WIKLA	140M, 100G, 100D)	
No Restrictive Lever	Dark Surface (S7) (LIMI F, O, 1, U)				ı	
Restrictive Layer							
Type:	None		_			Hydric Soil Prese	
Depth inches:	None		_				<u>No</u>
Remarks:							
I							
I							

VEGETATION SAMPLING POINT Absolute % Dominant Dominance Test Worksheet: Tree Stratum Plot Size: 30 Indicator Status Number of Dominant Species That Cover Species None are OBL, FACW, or FAC Total Number of Dominant Species Across All Strata Percent of Dominant Species (A/B): That Are OBL, FACW, or FAC 100.00% Prevalence Index Worksheet: 50/20 Threshold 0 Multiply = Total Cover Total % Cover of: 50% of Total Cover = 0 20% of Total Cover = OBL Dominant FACW x2= Plot Size: 30' Sapling Stratum Indicator Status Cover Species FAC x3= FACU x4= None UPL x5= A Totals В Prevalence Index (B/A)= Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Veg: No Dominance Test > 50%: Yes Prevalence Index is ≤3.0: N/A Problematic Hydrophytic Veg: No Definitions of Vegetation Strata: 50/20 Threshold 0 = Total Cover 50% of Total Cover = 0 Tree - Woody plants, excluding woody vines, approximately 20' 20% of Total Cover = or more in height and 3" or larger in DBH. Dominant Plot Size: 30' Shrub Stratum Indicator Status Species Cover None Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in height. Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. 50/20 Threshold = Total Cover 50% of Total Cover = 0 Woody vine - All woody vines, regardless of height. 20% of Total Cover = Dominant Remarks: Plot Size: 30' Indicator Status Herb Stratum Cover **Species** Diodia virginiana FACW 25 Yes Paspalum notatum 20 No FACU Ampelopsis arborea No FAC 20 Vicia Iudoviciana 10 No FACU Phleum pratense No FACU 10 Mimosa pudica 10 No **FACU** Ipomoea cordatotriloba 10 No FACU Verbena bonariensis No FAC 5 110 50/20 Threshold = Total Cover 50% of Total Cover = 55 20% of Total Cover = Woody Vine Dominant Plot Size: 30 Indicator Status Stratum Cover Species None 50/20 Threshold Hydrophytic Vegetation Present? 0 = Total Cover 50% of Total Cover = 0 Yes 20% of Total Cover = 0

Project/Site:	Foti Highway 3120	JN		Parish: Ascension	l	Sampling Date:	9/1/2017
Applicant/Owner:	Baton Rouge Area	a Chamber		State: Louisiana		Sampling Point:	4
Investigator(s):	Tanner Jones, Tin	n Kimmel		Section, Township	o, Range:	Section 10, Towns	ship 11 South, Range 15 East
Landform (hillslope	e terrace etc.):	Flat		<u> </u>	Local Relief (concave	. convex. none): No	one Slope: 0-1%
Subregion (LRR o		LRR O	Lat: 30.097003°		Long: -90.942635°	,,	Datum: NAD83
					Long30.342033	NWI Classification	
Soil Map Unit Nam	ie:	Thibaut clay n the site typical for t		7 //6	5	INVVI Classification	. None
					olain in Remarks)		
Are Vegetation	, Soil,	or Hydrology	_ significantly disturl		Are "Normal Circumst		Yes
Are Vegetation	, Soil,	or Hydrology	naturally problema	atic? No	(If needed, explain an	y answers in Rema	rks.)
SUMMARY OF FI	NDINGS						
Hydrophytic Veget	tation Present?	Y	es				
Hydric Soil Presen			es	le the Sampled A	rea within a Wetland	2	Yes
				is the Gampieu A	irea within a vvetiana		165
Wetland Hydrology	y Present?	T ·	es	<u> </u>			
Remarks:							
HYDROLOGY							
Wetland Hydrolog	av Indicatore					Secondary Indicat	ors (Need 2):
						•	
Primary Indicators					(==)	No	Surface Soil Cracked (B6)
Yes	Surface Water (A1	*	No	Water Stained Lea	, ,	No	Sparsely Veg. Concave Surface (B8)
No	High Water Table	(A2)	No	Aquatic Fauna (B	13)	No	Drainage Patterns (B10)
No	Saturation (A3)		No	Marl Deposits (B1	5) (LRR U)	No	Moss Trim Lines (B16)
No	Water Marks (B1)		No	Hydrogen Sulfide		No	Dry-Season Water Table (C2)
No	Sediment Deposit			Oxidized Root Ch		No	Crayfish Burrows (C8)
		. ,	No		, ,		
No	Drift Deposits (B3)		No No	Presence of Redu	, ,	No	Saturation on Aerial Imagery (C9)
No	Algal Mat or Crust	. ,	No	Recent Reduct. in	, ,	No	Geomorphic Position (D2)
No	Iron Deposits (B5))	No	Thin Muck Surface	e (C7)	No	Shallow Aquitard (D3)
No	Inundation on Aer		No	Other (Explain in I		Yes	FAC-Neutral Test (D5)
···		J / (-·/		. , ,	,	No	Sphagnum Moss (D8) (LRR T, U)
Field Observation						110	ophagham Mood (Bo) (Ent 1; 0)
		.,	D " " 1)	•		W-41	B40
Surface Water Pre		Yes	Depth (inches):	6		Wetland Hydrolog	•
Water table Prese		None	Depth (inches):	N/A			Yes
Saturation Present	t?	None	Depth (inches):	N/A			<u> </u>
Remarks:							
r torriarito.							
SOIL							
Depth	M	atrix	Ī	Redo	x Features		Texture
Inches	Color	%	Color	%		Location	
	COIOI	70	COIOI	70	Туре	Location	
N/A							
			1				
			 	 			
			+	 			
			<u> </u>				
Type: C=Concentr	ration, D=Depletion	, RM=Reduced Matr	ix, CS=Covered or	Coated Sand Grain	ns	Location: PL=Pore	Lining, M=Matrix
· ·		•	·				o .
Hydric Soil Indica	ators:					Indicators for Pro	oblematic Soils:
-			NI-	Debaratus Balaur Cu	rfood (CO) (LDD C T II)		
No	Histol (A1)		No		rface (S8) (LRR S,T,U)	No	1cm Muck (A9) (LRR O)
No	Histic Epipedon (A2)	No	Thin Dark Surface (No	2cm Muck (A10) (LRR S)
No	Black Histic (A3)		No	Loamy Mucky Miner		No	Reduced Vertic (F18) (outside MLRA 150A,B)
No	Hydrogen Sulfide (A	4)	No	Loamy Gleyed Matr		No	Piedmont Floodplain Soils (F19) (LRR P,S,T)
No	Stratified Layers (A5			Depleted Matrix (F3			
			NO			No	Anomalous Bright Loamy Soils (F20) (MI RA 153R)
			No No		•	No No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)
No No	Organic Bodies (A6)	(LRR P,T,U)	No	Redox Dark Surface	(F6)	No	Red Parent Material (TF2)
No	Organic Bodies (A6) 5cm Mucky Mineral	(LRR P,T,U) (A7) (LRR P,T,U)	No No	Redox Dark Surface Depleted Dark Surfa	e (F6) ace (F7)	No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8)	(A7) (LRR P,T,U) (A7) (LRR P,T,U)	No	Redox Dark Surface Depleted Dark Surfa Redox Depressions	e (F6) ace (F7)	No	Red Parent Material (TF2)
No	Organic Bodies (A6) 5cm Mucky Mineral	(A7) (LRR P,T,U) (A7) (LRR P,T,U)	No No	Redox Dark Surface Depleted Dark Surfa	e (F6) ace (F7)	No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
No No No	Organic Bodies (A6 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR) (LRR P,T,U) (A7) (LRR P,T,U)) (LRR U) RR P,T)	No No No	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U)	e (F6) ace (F7) (F8)	No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
No No No No	Organic Bodies (A6 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR Depleted Below Dar) (LRR P,T,U) (A7) (LRR P,T,U)) (LRR U) RR P,T) k Surface (A11)	No No No No	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1	e (F6) ace (F7) (F8)	No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
No No No No	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface	(AT) (LRR P,T,U) (A7) (LRR P,T,U) (LRR U) (RR P,T) (k Surface (A11) (A12)	No No No No No	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma	9 (F6) ace (F7) (F8) 11) (MLRA 151) asses (F12) (LRR O,P,T)	No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
No No No No No No	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox	(A7) (LRR P,T,U) (A7) (LRR P,T,U)) (LRR U) RR P,T) rk Surface (A11) (A12) (A16) (MLRA 150A)	No No No No No No	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1	(F6) ace (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) 3) (LRR P, T, U)	No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
No No No No No No	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner	(LRR P,T,U) (A7) (LRR P,T,U) (LRR U) (R P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S)	No No No No No No	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) ((F6) ace (F7) (F8) (I) (MLRA 151) ssses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151)	No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
No No No No No No	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox	(LRR P,T,U) (A7) (LRR P,T,U) (LRR U) (R P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S)	No No No No No No	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) ((F6) ace (F7) (F8) 1) (MLRA 151) sses (F12) (LRR O,P,T) 3) (LRR P, T, U)	No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
No No No No No No No	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner	(LRR P,T,U) (A7) (LRR P,T,U) (LRR U) (R P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S)	No No No No No No	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18	(F6) ace (F7) (F8) 11) (MLRA 151) sses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A, 150B)	No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
No N	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5)	(LRR P,T,U) (A7) (LRR P,T,U) (LRR U) (R P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain	(F6) ace (F7) (F8) 11) (MLRA 151) usses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A) 10 Soils (F19) (MLRA 149A)	No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
No N	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Stripped Matrix S6)	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain	(F6) ace (F7) (F8) 11) (MLRA 151) sses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A, 150B)	No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
No N	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LF Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (I	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain	(F6) ace (F7) (F8) 11) (MLRA 151) usses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A) 10 Soils (F19) (MLRA 149A)	No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
No N	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LF Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Miner Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (I (If observed):	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain	(F6) ace (F7) (F8) 11) (MLRA 151) usses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A) 10 Soils (F19) (MLRA 149A)	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No N	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LF Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (I	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain	(F6) ace (F7) (F8) 11) (MLRA 151) usses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A) 10 Soils (F19) (MLRA 149A)	No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No N	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LF Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Miner Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (I (If observed):	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain	(F6) ace (F7) (F8) 11) (MLRA 151) usses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A) 10 Soils (F19) (MLRA 149A)	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No N	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8) 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (I (If observed): None	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain	(F6) ace (F7) (F8) 11) (MLRA 151) usses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A) 10 Soils (F19) (MLRA 149A)	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No To No No Depth inches:	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (I (If observed): None	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain	(F6) ace (F7) (F8) 11) (MLRA 151) usses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A) 10 Soils (F19) (MLRA 149A)	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No N	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (I (If observed): None	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain	(F6) ace (F7) (F8) 11) (MLRA 151) usses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A) 10 Soils (F19) (MLRA 149A)	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No To No No Depth inches:	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (I (If observed): None	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain	(F6) ace (F7) (F8) 11) (MLRA 151) usses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A) 10 Soils (F19) (MLRA 149A)	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No To No No Depth inches:	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 1cm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Stripped Matrix S6) Dark Surface (S7) (I (If observed): None	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain	(F6) ace (F7) (F8) 11) (MLRA 151) usses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 8) (MLRA 150A) 10 Soils (F19) (MLRA 149A)	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No To No No Depth inches:	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 Icm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Dark Surface (S7) (I (If observed): None None	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (R P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4) LRR P,S,T,U)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain Anomalous Bright L	2 (F6) ace (F7) (F8) 11) (MLRA 151) sses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 6) (MLRA 150A, 150B) n Soils (F19) (MLRA 149) oamy Soils (F20) (MRLA	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No To No No Depth inches:	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 Icm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Dark Surface (S7) (I (If observed): None None	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain Anomalous Bright L	2 (F6) ace (F7) (F8) 11) (MLRA 151) sses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 6) (MLRA 150A, 150B) n Soils (F19) (MLRA 149) oamy Soils (F20) (MRLA	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No To No No To Depth inches:	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 Icm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Dark Surface (S7) (I (If observed): None None	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (R P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4) LRR P,S,T,U)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain Anomalous Bright L	2 (F6) ace (F7) (F8) 11) (MLRA 151) sses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 6) (MLRA 150A, 150B) n Soils (F19) (MLRA 149) oamy Soils (F20) (MRLA	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No To No No To Depth inches:	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 Icm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Dark Surface (S7) (I (If observed): None None	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (R P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4) LRR P,S,T,U)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain Anomalous Bright L	2 (F6) ace (F7) (F8) 11) (MLRA 151) sses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 6) (MLRA 150A, 150B) n Soils (F19) (MLRA 149) oamy Soils (F20) (MRLA	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No To No No To Depth inches:	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 Icm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Dark Surface (S7) (I (If observed): None None	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4) LRR P, S, T, U)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain Anomalous Bright L	2 (F6) ace (F7) (F8) 11) (MLRA 151) sses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 6) (MLRA 150A, 150B) n Soils (F19) (MLRA 149) oamy Soils (F20) (MRLA	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)
No To No No To Depth inches:	Organic Bodies (A6) 5cm Mucky Mineral Muck Presence (A8 Icm Muck (A9) (LR Depleted Below Dar Thick Dark Surface Coast Prairie Redox Sandy Mucky Miner Sandy Gleyed Matri Sandy Redox (S5) Dark Surface (S7) (I (If observed): None None	(LRR P,T,U) (A7) (LRR P,T,U) (A7) (LRR U) (RR P,T) (k Surface (A11) (A12) (A16) (MLRA 150A) al (S1) (LRR O,S) x (S4) LRR P, S, T, U)	No N	Redox Dark Surface Depleted Dark Surfa Redox Depressions Marl (F10) (LRR U) Depleted Ochric (F1 Iron-Manganese Ma Umbric Surface (F1: Delta Ochric (F17) (Reduced Vertic (F18 Piedmont Floodplain Anomalous Bright L	2 (F6) ace (F7) (F8) 11) (MLRA 151) sses (F12) (LRR O,P,T) 3) (LRR P, T, U) MLRA 151) 6) (MLRA 150A, 150B) n Soils (F19) (MLRA 149) oamy Soils (F20) (MRLA	No No No No	Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain)

VEGETATION SAMPLING POINT Absolute % Dominant Dominance Test Worksheet: Tree Stratum Plot Size: 30 Indicator Status Number of Dominant Species That Cover Species None are OBL, FACW, or FAC Total Number of Dominant Species Across All Strata Percent of Dominant Species (A/B): That Are OBL, FACW, or FAC 100.00% Prevalence Index Worksheet: = Total Cover 50/20 Threshold 0 Multiply Total % Cover of: 50% of Total Cover = 0 20% of Total Cover = OBL Dominant FACW x2= Plot Size: 30' Sapling Stratum Indicator Status Cover Species FAC x3= FACU x4= None UPL x5= A Totals В Prevalence Index (B/A)= Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Veg: Dominance Test > 50%: Yes Prevalence Index is ≤3.0: N/A Problematic Hydrophytic Veg: No Definitions of Vegetation Strata: 0 50/20 Threshold = Total Cover 50% of Total Cover = 0 Tree - Woody plants, excluding woody vines, approximately 20' 20% of Total Cover = or more in height and 3" or larger in DBH. Dominant Plot Size: 30' Shrub Stratum Indicator Status Cover Species None Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in height. Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. 50/20 Threshold = Total Cover 50% of Total Cover = 0 Woody vine - All woody vines, regardless of height. 20% of Total Cover = Dominant Remarks: Plot Size: 30' Indicator Status Herb Stratum Cover **Species** Eleocharis obtusa OBL 30 Yes Cyperus odoratus Yes 20 FACW Paspalum notatum No **FACU** 15 Juncus effusus 15 No OBL 10 No OBL Carex crus-corvi 50/20 Threshold 90 = Total Cover 50% of Total Cover = 45 20% of Total Cover = Woody Vine Dominant Plot Size: 30 Indicator Status Stratum Cover Species None 50/20 Threshold Hydrophytic Vegetation Present? 0 = Total Cover 50% of Total Cover = 0 Yes 20% of Total Cover = 0

Project/Site:	Foti Highway 3120) N		Parish: Ascension	n	Sampling Date:	9/1/2017
Applicant/Owner:	Baton Rouge Area	Chamber		State: Louisiana		Sampling Point:	5
Investigator(s):	Tanner Jones, Tin			Section, Townshi	n Range:		ship 11 South, Range 15 East
Landform (hillslop		Flat		ocodon, rownom	Local Relief (concave		
Subregion (LRR o		LRR O	Lat: 30.096930	0	Long: -90.943007°	c, convex, none). 14	Datum: NAD83
			Lat. 30.090930		Long90.943007	NIM!! Ol : £ £	
Soil Map Unit Nar		Thibaut clay		\/ //		NWI Classification	i. None
	-	the site typical for t			plain in Remarks)		
Are Vegetation		or Hydrology	significantly distu		Are "Normal Circums		Yes
Are Vegetation		or Hydrology	naturally problem	atic? No	(If needed, explain a	ny answers in Rema	rks.)
SUMMARY OF F	INDINGS						
Hydrophytic Vege	etation Present?	Y	es				
Hydric Soil Prese			es	Is the Sampled A	Area within a Wetland	12	No
Wetland Hydrolog		N					
Remarks:	,,			<u>.</u>			
ixemaiks.							
HYDROLOGY							
Wetland Hydrolo	gy Indicators					Secondary Indicat	ors (Need 2):
Primary Indicators	s (Need 1):					No	Surface Soil Cracked (B6)
No	Surface Water (A1	1)	No	Water Stained Le	aves (B9)	No	Sparsely Veg. Concave Surface (B8)
No	High Water Table		No	Aquatic Fauna (B	, ,	No	Drainage Patterns (B10)
		(112)			,		
No	Saturation (A3)		No	Marl Deposits (B1	, ,	No	Moss Trim Lines (B16)
No	Water Marks (B1)		No	Hydrogen Sulfide	. ,	No	Dry-Season Water Table (C2)
No	Sediment Deposits	s (B2)	No	Oxidized Root Cl	hannels (C3)	No	Crayfish Burrows (C8)
No	Drift Deposits (B3))	No	Presence of Redu	uced Iron (C4)	No	Saturation on Aerial Imagery (C9)
No	Algal Mat or Crust	(B4)	No	Recent Reduct. ir	Tilled Soils (C6)	No	Geomorphic Position (D2)
No	Iron Deposits (B5)		No	Thin Muck Surfac		No	Shallow Aquitard (D3)
No	Inundation on Aer	iai imagery (B7)	No	Other (Explain in	Remarks)	No	FAC-Neutral Test (D5)
						No	Sphagnum Moss (D8) (LRR T, U)
Field Observation	ns:						
Surface Water Pr	esent?	None	Depth (inches):	N/A		Wetland Hydrolo	gy Present?
Water table Prese	ent?	None	Depth (inches):	N/A		-	No
Saturation Preser	nt?	None	Depth (inches):	N/A			
Remarks:	к.	None	Deput (inches).	IN/A			
SOIL							
Depth	M	atrix		Redo	x Features		Texture
Inches	Color	%	Color	%	Type	Location	
0-4	10YR 3/2	100		1	1 .71	1	clay
4-16	10YR 4/2	90	10YR 3/6	10	С	M	clay
4-10	10111 4/2	90	10110 3/0	10		IVI	oldy
Type: C=Concept	ration D=Danlation	, RM=Reduced Matr	iv CS=Covered or	Cooted Sand Crain	no	Location: PL=Pore	Lining M-Motriy
Type. C-Concern	iration, D-Depletion	, Kivi-Reduced iviali	ix, C3-Covered of	Coaled Salid Grail	115	Location. FL-Fore	E LITHING, IVI-IVIAUIX
Hydric Soil Indic	ators:					Indicators for Pro	oblematic Soils:
No	Histol (A1)		No	Polyvalue Below	Surface (S8) (LRR S,T	Γ,l <u>No</u>	1cm Muck (A9) (LRR O)
No	Histic Epipedon (A	(2)	No	Thin Dark Surface	e (S9) (LRR S,T,U)	No	2cm Muck (A10) (LRR S)
No	Black Histic (A3)		No	Loamy Mucky Mir	neral (F1) (LRR (O)	No	Reduced Vertic (F18) (outside MLRA 150A,B)
No	Hydrogen Sulfide	(A4)	No	Loamy Gleyed Ma		No	Piedmont Floodplain Soils (F19) (LRR P,S,T)
No	Stratified Layers (, ,	Yes	Depleted Matrix (No	Anomalous Bright Loamy Soils (F20) (MLRA 153B)
No	Organic Bodies (A	, , , , ,	No	Redox Dark Surfa		No	Red Parent Material (TF2)
No		al (A7) (LRR P,T,U)	No	Depleted Dark Su		No	Very Shallow Dark Surface (TF12)
No	Muck Presence (A	(8) (LRR U)	No	Redox Depressio	ns (F8)	No	Other (Explain)
No	1cm Muck (A9) (L	.RR P,T)	No	Marl (F10) (LRR	U)	_	=
No		ark Surface (A11)	No		(F11) (MLRA 151)		
No	Thick Dark Surfac		No		Masses (F12) (LRR O ,	D T\	
	_	` '				,F,1 <i>)</i>	
No		ox (A16) (MLRA 150			F13) (LRR P, T, U)		
No		eral (S1) (LRR O,S)	No	Delta Ochric (F17			
No	Sandy Gleyed Ma	trix (S4)	No	Reduced Vertic (F	F18) (MLRA 150A, 15 0	0B)	
No	Sandy Redox (S5))	No	Piedmont Floodpl	lain Soils (F19) (MLRA	A 149A)	
No	Stripped Matrix S6	6)	No		t Loamy Soils (F20) (M		53D)
No	Dark Surface (S7)	,			((· · ·
Restrictive Laye		,, 5, 1, 5/				1	
	` ,					Ultradiation Contil De	···•42
Type:	None		-			Hydric Soil Prese	
Depth inches:	None		_			1	Yes
Remarks:							
I							
I							
I							
I							
I							

VEGETATION SAMPLING POINT Absolute % Dominant Dominance Test Worksheet: Tree Stratum Plot Size: 30 Indicator Status Number of Dominant Species That Cover Species (A): are OBL, FACW, or FAC None Total Number of Dominant Species Across All Strata Percent of Dominant Species (A/B): That Are OBL, FACW, or FAC 100.00% Prevalence Index Worksheet: 50/20 Threshold Multiply = Total Cover Total % Cover of: 50% of Total Cover = 0 20% of Total Cover = OBL FACW Dominant x2= Sapling Stratum Plot Size: 30' Indicator Status x3= Cover Species FAC FACU x4= None UPL x5= A Totals В Prevalence Index (B/A)= Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Veg: Dominance Test > 50% Yes Prevalence Index is ≤3.0: N/A Problematic Hydrophytic Veg: No Definitions of Vegetation Strata: 50/20 Threshold = Total Cover 50% of Total Cover = 0 Tree - Woody plants, excluding woody vines, approximately 20' or 20% of Total Cover = more in height and 3" or larger in DBH. Dominant Shrub Stratum Plot Size: 30' Indicator Status Cover Species None Sapling - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH. Shrub - Woody plants, excluding woody vines, approximately 3-20' in Herb - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height. 50/20 Threshold = Total Cover 50% of Total Cover = 0 Mandu vina - All woody vinos recordings of beight 20% of Total Cover = Dominant Remarks: Indicator Status Plot Size: 30' Herb Stratum Cover Species Andropogon gerardii FAC 60 Yes Paspalum notatum 30 No FACU Diodia virginiana 20 No **FACW** 20 Sorghum halepense No FACU Ipomoea cordatotriloba No FACU 20 20 No FACU Mimosa pudica 10 No FACU Phleum pratense 10 No FACU 50/20 Threshold 190 = Total Cover 50% of Total Cover = 95 20% of Total Cover = Woody Vine Absolute % Dominant Plot Size: 30 Indicator Status Stratum Cover Species None

50/20 Threshold

50% of Total Cover = 0

20% of Total Cover = 0

Hydrophytic Vegetation Present?

Yes

0 = Total Cover