Exhibit FF. Harvey Site Wetlands Delineation Report







Harvey Site Wetlands Delineation Report

March 26, 2018

Via Electronic Mail

Mr. Russell Richardson Baton Rouge Area Chamber russell@brac.org

Re: Wetland Data Report Harvey Site West Feliciana Parish, Louisiana Providence Project No. 1204-004

Dear Mr. Richardson:

On behalf of Baton Rouge Area Chamber (BRAC), Providence Engineering and Environmental Group LLC (Providence) is submitting this wetland data report for the Harvey Site (hereinafter referred to as Site) in West Feliciana 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* (U.S. Army Corps of U.S. Army Corps of Engineers, Wetland Regulatory Assistance Program 2010). Providence biologists visited the Site on March 8 and 9, 2018, 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 (2018), the *Soil Survey of East and West Feliciana Parish* (United States Department of Agriculture, Soil Conservation Service 2001), 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, **Figures 3a - 3b** – Aerial Photograph, **Figures 4a - 4b** – Site Plan, **Figure 5** – 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 approximate 344-acre Site is centered at Latitude 30.727848°; Longitude -91.308167° in Sections 40, 41, 42 and 43, Township 3 South, Range 2 West of West Feliciana Parish. Access to the Site is via Louisiana

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Highway 964. The Site is characterized by existing right-of-way (ROW), upland forest habitat, potential palustrine forested (PFO) and palustrine emergent (PEM) wetlands, and potential Other Waters of the U.S.

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 six soil map units (NRCS Web Soil Survey 2018). **Table 1** shows the soil map unit's individual soil components, component percentage, and hydric status in West Feliciana Parish (NRCS Survey Area Data, Version 11, March 7, 2018).

Map Unit Name	Soil Series/ Component	Component Percentage	Hydric Status
Fe: Feliciana silt loam, 1 to 3 percer	it slopes		
	Feliciana	85	No
	Loring	10	No
	Olivier	5	No
Fg: Feliciana silt loam, 3 to 8 percer	it slopes		
	Feliciana	90	No
	Loring	10	No
FH: Feliciana and Natchez silt loams	s, 8 to 60 percent slopes		
	Feliciana	60	No
	Natchez	30	No
	Loring	10	No
Lr: Loring silt loam, 3 to 8 percent sl	opes		
	Loring	85-100	No
	Feliciana	5-10	No
MB: Morganfield and Bigbee soils, fi	requently flooded		
	Morganfield	60	No
	Bigbee	30	No
	Calhoun	5	Yes
	Weyanoke	5	No
We: Weyanoke silt, 1 to 3 percent sl	opes		
	Weyanoke	85	No
	Bigbee	5	No
	Feliciana	5	No
	Morganfield	3	No
	Loring	2	No

Table 1: NRCS Web Soil Survey Data

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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 13 of the 37 sample locations established by Providence to characterize the Site.

VEGETATION¹

Indicator statuses for dominant vegetation on the Site consist of upland (UPL), facultative upland (FACU), facultative (FAC), facultative wetland (FACW), and obligate (OBL). A complete list of dominant vegetation is included on the attached data forms (**Exhibit 2**). The wetland criterion for a prevalence of hydrophytic vegetation was met at 31 of the 37 sample locations established by Providence to characterize the Site.

HYDROLOGY

The Site is in the Bayou Sara-Thompson watershed; within the United States Geological Survey (USGS) Hydrologic Cataloguing Unit 08070201. Hydrology on the Site is influenced by rainfall, sheetflow, and backwater flooding from Grants Bayou and Thompson Creek. Primary and Secondary indicators of hydrology observed at the Site include: surface water, high water table, saturation, drift deposits, water-stained leaves, oxidized rhizospheres on living root channels, and positive FAC-neutral tests. The wetland criterion for hydrology was met at 21 of the 37 sample locations established by Providence biologists to characterize the Site.

CONCLUSIONS

Positive evidence of all three diagnostic characteristics for wetlands was found at 13 of the 37 sample locations established to characterize the Site. Evidence of poor drainage found in association with hydric soils and predominantly hydrophytic vegetation was considered sufficient to confirm the presence of potential jurisdictional wetlands. It appears that approximately 12.77 acres of potential jurisdictional PFO wetlands, 0.33 acre of potential jurisdictional PEM wetlands, 0.24 acre of potential pond, and 19,525 linear feet (0.24 acre) of potential Other Waters of the U.S. may be present on the Site.

As requested in the solicitation for wetland services provided to Providence on September 20, 2017, below are the responses to the following questions:

- 1. Do wetlands and/or other waterways exist on or near the site?
 - a. Yes, wetlands and 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

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

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4. If wetlands are present, have all wetlands on the site been mitigated?

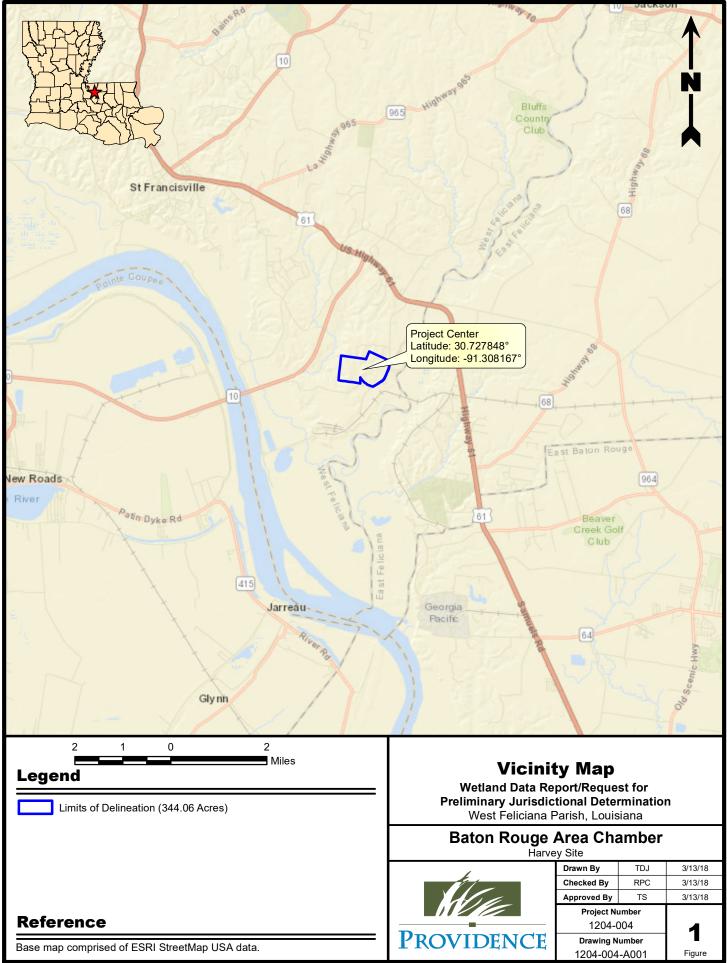
a. No

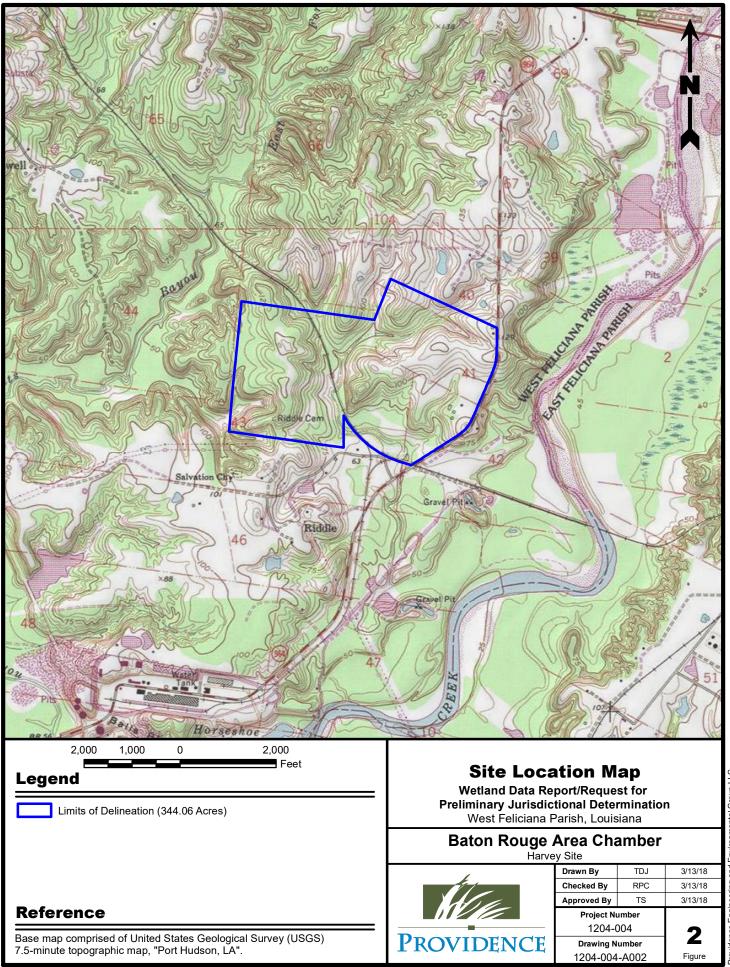
If you have any questions, please contact me at (225) 766-7400 or timkimmel@providenceeng.com.

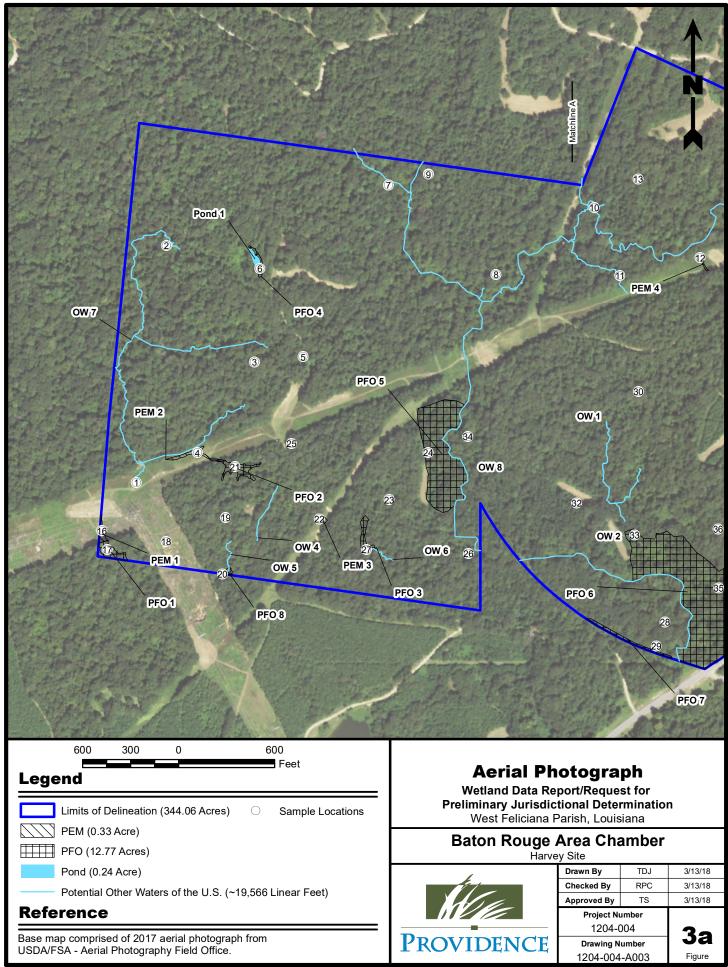
Sincerely,

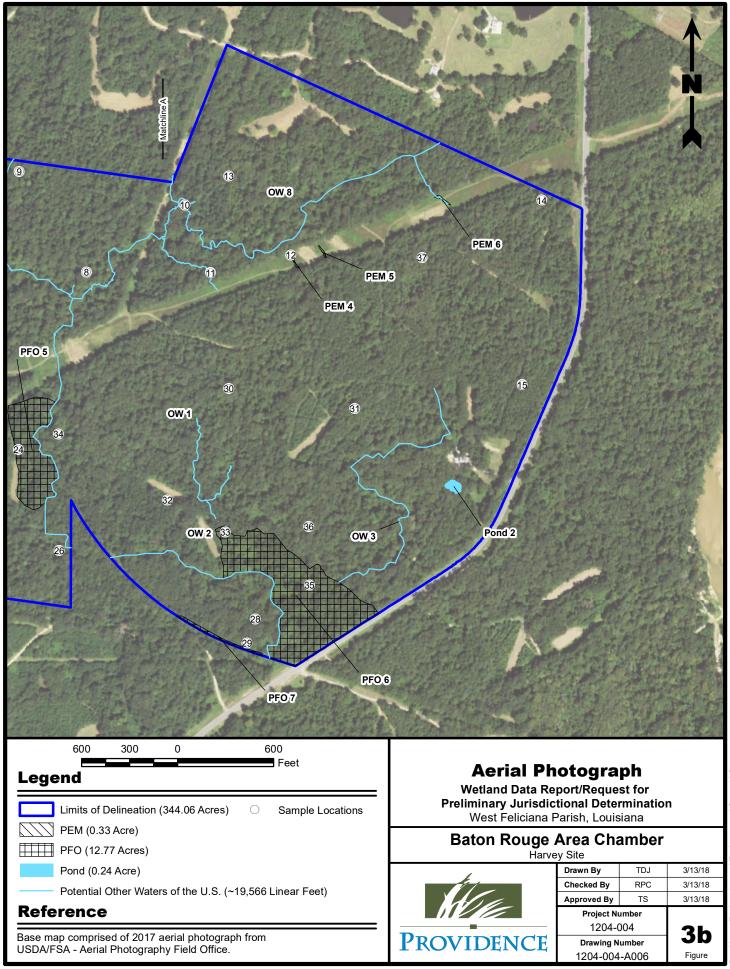
Tim Kimmel Environmental Scientist Providence Engineering and Environmental Group LLC 1201 Main Street Baton Rouge, Louisiana 70802

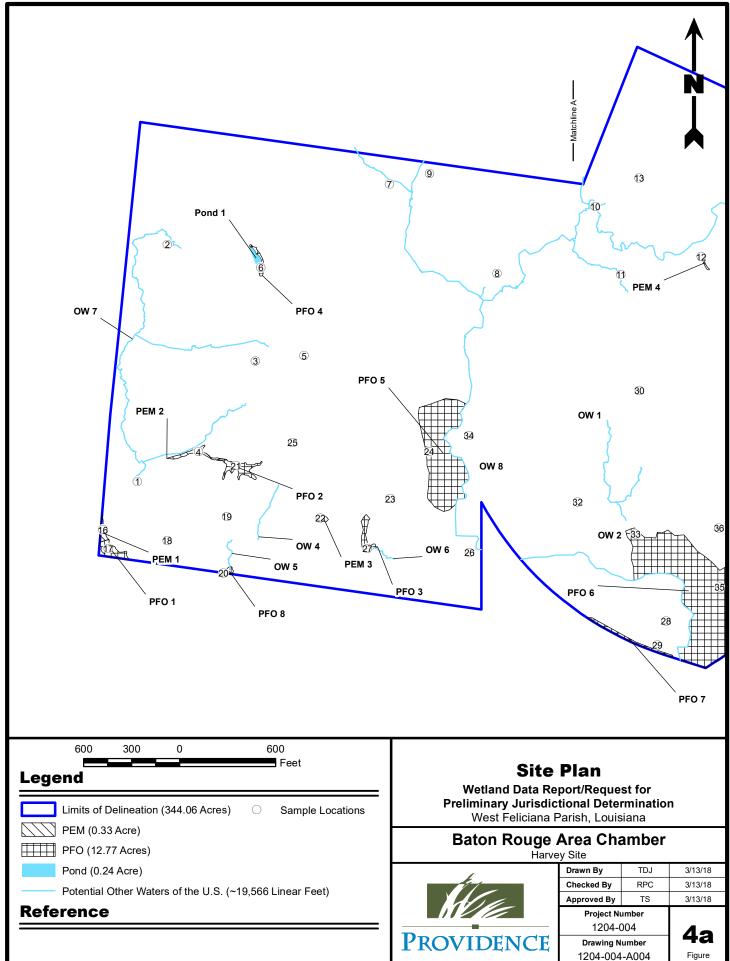
FIGURES

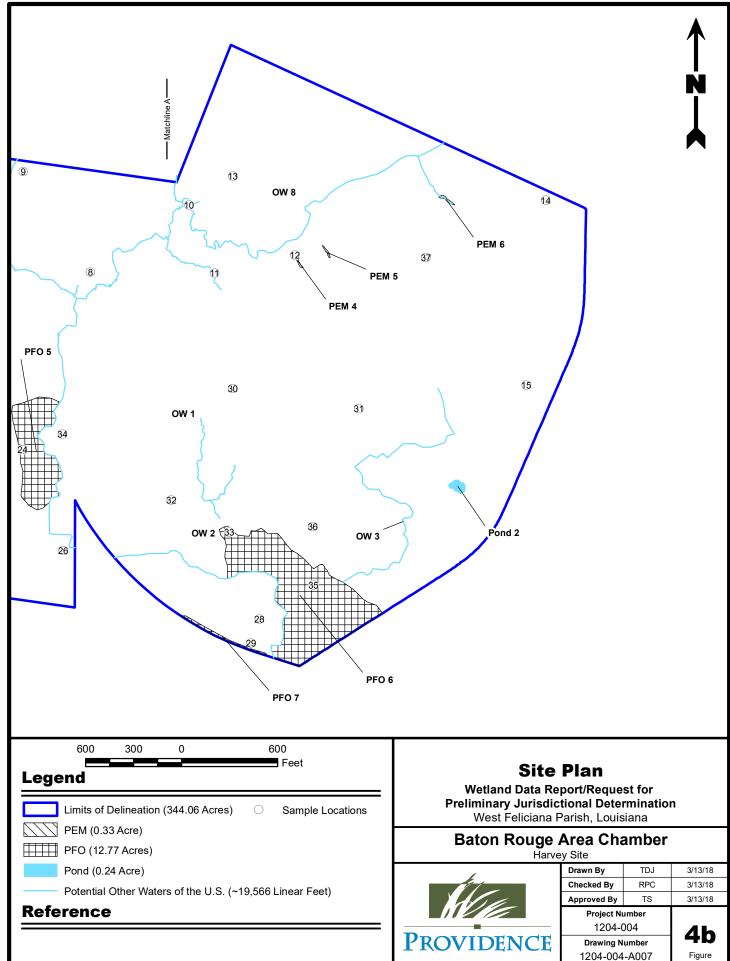












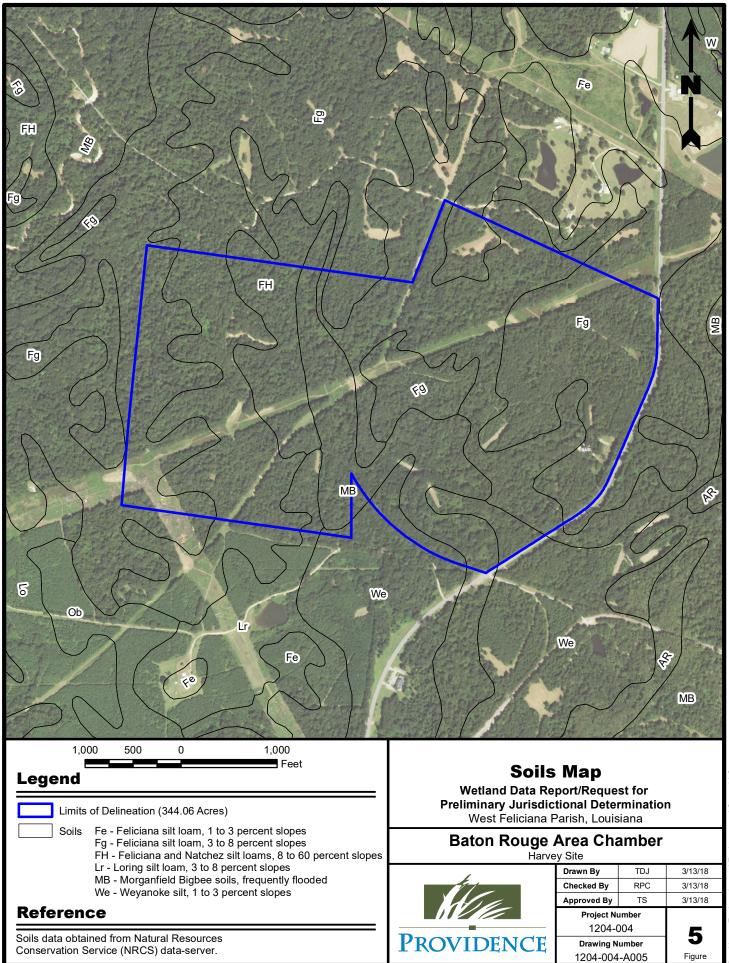


EXHIBIT 1

COPIES OF SITE PHOTOGRAPHS

	Baton Rouge Area Chamber
Site Name: Site Location:	Harvey Site West Feliciana Parish, Louisiana
Date:	March 8, 2018
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:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #2A	
Direction:	
N/A	
Comments:	
View of soil profile at	
Sample Location 2.	
	STATISTICS AND
	A CALL TO PERCENTER AND
Photograph #2B	
Direction:	
North	
Comments:	
View of habitat and	
typical landscape features at Sample	
Location 2.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
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:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #4A	
Direction: N/A	
Comments: View of soil profile at Sample Location 4.	No soil sample collected. Soils assumed hydric due to extent/duration of inundation.
Photograph #4B	
Direction: East	
Comments: View of habitat and	
typical landscape features at Sample Location 4.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #5A	
Direction:	THE CONTRACTOR STATE
N/A	
Comments:	
View of soil profile at Sample Location 5.	
Photograph #5B	
Direction:	
South	
Comments:	CONTRACTOR AND
View of habitat and typical landscape features at Sample Location 5.	

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #6A	
Direction:	
N/A	
Comments:	
View of soil profile a	
Sample Location 6.	
Photograph #6B	
Direction:	
East	
Comments:	
View of habitat and typical landscape	
features at Sample Location 6.	

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #7A	
Direction:	SNOT STATES AND
N/A	
Comments:	
View of soil profile a	
Sample Location 7.	
	ALL AND AL
	12 BIS & BAR IS IS COMMENTS FILL
Photograph #7B	
Direction	
Direction:	
West	
Comments:	
View of habitat and	
typical landscape features at Sample	
Location 7.	
	and the second

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #8A	
Direction:	A THE PARK TO PROVIDE TO
N/A	
Comments:	
View of soil profile at	
Sample Location 8.	
Photograph #8B	
Direction:	
East	
Comments:	
View of habitat and	
typical landscape	
features at Sample Location 8.	
	See And All A Contraction of the second second
	Company of the second sec

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location: Date:	West Feliciana Parish, Louisiana March 8, 2018
Photograph #9A	
Direction: N/A	
Comments: View of soil profile a Sample Location 9.	
Photograph #9B	
Direction:	
West	
Comments:	
View of habitat and typical landscape features at Sample Location 9.	

	BATON ROUGE AREA CHAMBER
Site Name: Site Location: Date:	Harvey Site West Feliciana Parish, Louisiana March 8, 2018
Photograph #10A	
Direction: N/A	
Comments: View of soil profile at Sample Location 10.	
Photograph #10B	
Direction:	
South	
Comments:	
View of habitat and typical landscape features at Sample Location 10.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #11A	
Direction:	
N/A	
Comments:	A series and the series of the
View of soil profile at Sample Location 11.	
Photograph #11B	
Direction:	
East	
Comments:	
View of habitat and typical landscape features at Sample Location 11.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #12A	
Direction: N/A	
Comments: View of soil profile at Sample Location 12.	No soil sample collected. Soils assumed hydric due to extent/duration of inundation.
Photograph #12B	
Direction:	
West	
Comments:	
View of habitat and typical landscape features at Sample Location 12.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #13A	
Direction:	
N/A	
Comments:	
View of soil profile at	
Sample Location 13.	
Photograph #13B	
Direction:	
West	
Comments:	
View of habitat and typical landscape features at Sample Location 13.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #14A	
Direction: N/A	
Comments: View of soil profile at Sample Location 14.	
Photograph #14B	
Direction: South	
Comments: View of habitat and typical landscape features at Sample Location 14.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #15A	
Direction:	
N/A	
Comments:	NUMBER OF CONTRACTORS
View of soil profile at	
Sample Location 15.	
Photograph #15B	
Direction:	
East	
Comments:	
View of babitat and	
View of habitat and typical landscape	
features at Sample Location 15.	and a set of the set of the

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #16A	
Direction: N/A	
Comments: View of soil profile at Sample Location 16.	
Photograph #16B	
Direction:	
North	
Comments:	All the second s
View of habitat and typical landscape features at Sample Location 16.	

Site Location:	Harvey Site West Feliciana Parish, Louisiana March 8, 2018
Date:	March 8. 2018
Photograph #17A	
Direction:	
N/A	
Comments:	
View of soil profile at Sample Location 17.	
Photograph #17B	
Direction:	
West	
Comments:	
View of habitat and typical landscape	
features at Sample	
Location 17.	
	Carlos Andrew Market

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #18A	
Direction:	
N/A	
Comments:	
View of soil profile at	
Sample Location 18.	
Photograph #18B	
Direction:	
East	
Comments:	A CONTRACT OF THE REPORT OF TH
View of habitat and	
typical landscape	
features at Sample Location 18.	

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #19A	
Direction:	
N/A	
Comments:	
View of soil profile at Sample Location 19.	
Photograph #19B	
Direction:	
South	
Comments:	
View of habitat and typical landscape features at Sample Location 19.	

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #20A	
Direction:	
N/A	
Comments:	
View of soil profile at Sample Location 20.	
Photograph #20B	
Direction:	
South	
Comments:	
View of habitat and typical landscape features at Sample Location 20.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #21A	
Direction: N/A	
Comments: View of soil profile a Sample Location 21.	
Photograph #21B	
Direction:	REAL MENTERS IN THE
East	
Comments:	
View of habitat and typical landscape features at Sample Location 21.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #22A	
Direction: N/A	
Comments: View of soil profile at Sample Location 22.	
Photograph #22B	
Direction: West	
Comments: View of habitat and typical landscape features at Sample Location 22.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #23A	
Direction:	
N/A	
Comments:	
View of soil profile at Sample Location 23.	
Photograph #23B	
Direction:	
North	
Comments:	AN AL HEALED RESS AND A LOS
View of habitat and	
typical landscape features at Sample	
Location 23.	

	Baton Rouge Area Chamber
Site Name: Site Location: Date:	Harvey Site West Feliciana Parish, Louisiana March 8, 2018
Photograph #24A	
Direction: N/A	
Comments: View of soil profile at Sample Location 24.	
Photograph #24B	
Direction: West	
Comments: View of habitat and typical landscape features at Sample Location 24.	

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #25A	
Direction:	
N/A	
Comments:	
View of soil profile at	
Sample Location 25.	
Photograph #25B	
Direction:	
East	
Comments:	
View of habitat and typical landscape features at Sample Location 25.	

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #26A	
Direction:	
N/A	
Comments:	
View of soil profile at Sample Location 26.	
Photograph #26B	MARK NAME AND THE OFFICE
Direction:	
West	
Comments:	
View of habitat and typical landscape features at Sample Location 26.	

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #27A	
Direction:	
N/A	
Comments:	
View of soil profile at	
Sample Location 27.	
Photograph #27B	
Direction:	
South	
Comments:	
View of habitat and typical landscape features at Sample Location 27.	

	BATON ROUGE AREA CHAMBER
Site Name: Site Location:	Harvey Site West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #28A	
Direction: N/A	
Comments: View of soil profile a Sample Location 28.	t
Photograph #28B	
Direction:	
South	
Comments:	
View of habitat and typical landscape features at Sample Location 28.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #29A	
Direction: N/A	
Comments: View of soil profile at Sample Location 29.	No soil sample collected. Soils assumed hydric due to extent/duration of inundation.
Photograph #29B	
Direction:	
North	
Comments:	
View of habitat and typical landscape features at Sample Location 29.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #30A	
Direction:	
N/A	
Comments:	
View of soil profile at Sample Location 30.	
Photograph #30B	
Direction:	
North	
Comments:	
View of habitat and typical landscape features at Sample Location 30.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 8, 2018
Photograph #31A	
Direction:	
N/A	
Comments:	
View of soil profile at	
Sample Location 31.	
Photograph #31B	
Direction:	
West	
Comments:	
View of habitat and typical landscape features at Sample Location 31.	

	Baton Rouge Area Chamber
Site Name: Site Location: Date:	Harvey Site West Feliciana Parish, Louisiana March 8, 2018
Photograph #32A	
Direction: N/A	
Comments: View of soil profile at Sample Location 32.	
Photograph #32B	
Direction: South	
Comments: View of habitat and typical landscape features at Sample Location 32.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 9, 2018
Photograph #33A	
Direction:	
N/A	
Comments:	
View of soil profile at Sample Location 33.	
Photograph #33B	
Direction:	
South	
Comments:	
View of habitat and typical landscape features at Sample Location 33.	

	Baton Rouge Area Chamber
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 9, 2018
Photograph #34A	
Direction:	
N/A	
Comments:	
View of soil profile at Sample Location 34.	A DOCOD A CONTRACTOR A CONTRACT
Photograph #34B	
Direction:	
West	
Comments:	
View of habitat and typical landscape features at Sample Location 34.	

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 9, 2018
Photograph #35A	
Direction:	
N/A	
Comments:	
View of soil profile at Sample Location 35.	
Photograph #35B	
Direction:	
South	
Comments:	
View of habitat and typical landscape features at Sample Location 35.	

	BATON ROUGE AREA CHAMBER
Site Name:	Harvey Site
Site Location:	West Feliciana Parish, Louisiana
Date:	March 9, 2018
Photograph #36A	
Direction:	
N/A	
Comments:	
View of soil profile a Sample Location 36.	
Photograph #36B	
Direction:	
M/a at	WAX AF MALINARE ESTATEN
West	
Commontes	
Comments:	
View of habitat and	
typical landscape	
features at Sample Location 36.	PRANE AND PRANE AND A COMPANY

	BATON ROUGE AREA CHAMBER
Site Name: Site Location: Date:	Harvey Site West Feliciana Parish, Louisiana March 9, 2018
Photograph #37A	
Direction: N/A	
Comments: View of soil profile a Sample Location 37.	
Photograph #37B	
Direction: West	
Comments: View of habitat and typical landscape features at Sample Location 37.	

EXHIBIT 2

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

Project/Site:		Harvey Site						West Felic	iana	_Sampling Da	ite: N	larch 8, 201	8
Applicant/Owner:			Ba	ton Rouge Area	Chamber		Sta	ate:	Louisiana	Sample Poir	nt:	SL1	
Investigator(s):	Т. 3	Simonea	aux	and	O. Barry	Section,	Townsh	ip, Range:	Sectio	on 43, Townshi	p 4 South, F	Range 2 Wes	st
Landform (hillslope,	terrace, e	etc.):		Plain		Local rel	ief (con	cave, convex,	none):	None	Slope (%):	0-5	5
Subregion (LRR or M	/LRA):			LRR P		Lat:	30.7	725840°	Long:	-91.316255°	Datum:	NAD	83
Soil Map Unit Name					#N/A	l l			NWI Cla	assification:		None	
Are climatic / hydrolo	gic cond	litions or	n the sit	e typical for this	time of yea	r? (Yes / N	o)	Yes	(if no, ex	plain in Rema	ˈks.)		
Are Vegetation	No	_,Soil	No	or Hydrology,	No	significantly dist	turbed?	Are "Norma	al Circumstar	nces" present?	Yes	X No	
Are Vegetation	No	,Soil	No	or Hydrology	No	naturally proble	matic?	((If needed, ex	plain any answ	ers in Rema	arks.)	
SUMMARY OF	FINDI	NGS	Atta	ch site map	showin	g sampling	point	locations	, transec	ts, importa	int featur	res, etc.	

				1		
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes <u></u> Yes		X X	Is the Sampled Area within a Wetland?	Yes	NoX
Remarks:						
This point was determined not to	be within a wetland	due to the	lack of hvdr	ic soils and wetland hydrology.		
			·····,··			
HYDROLOGY						
HYDROLOGY Wetland hydrology Indicators:					Secondary Indicat	tors (minimum of two required)
	one is required; che	ck all that a	oply)			tors (minimum of two required) Il Cracks (B6)
Wetland hydrology Indicators:	ne is required; che		oply) tic Fauna (E	313)	Surface Soi	
Wetland hydrology Indicators: Primary Indicators (minimum of o	ne is required; che	Aqua	tic Fauna (E	313) 15) (LRR U)	Surface Soi	I Cracks (B6)
Wetland hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1)	ne is required; che - -	Aqua Marl	tic Fauna (E Deposits (B	,	Surface Soi	l Cracks (B6) egetated Concave Surface (B8) atterns (B10)
Wetland hydrology Indicators: Primary Indicators (minimum of o	ne is required; che - - -	Aqua Marl Marl Hydro	tic Fauna (E Deposits (B ogen Sulfide	15) (LRR U)	Surface Soi Sparsely Ve Drainage Pa Moss Trim I	l Cracks (B6) egetated Concave Surface (B8) atterns (B10)
Wetland hydrology Indicators: Primary Indicators (minimum of o	ne is required; che - - - -	Aqua Marl Hydro Oxidi	tic Fauna (E Deposits (B ogen Sulfide zed Rhizosp	15) (LRR U) e Odor (C1)	Surface Soi Sparsely Ve Drainage Pa Moss Trim I	l Cracks (B6) egetated Concave Surface (B8) atterns (B10) Lines (B16) n Water Table (C2)
Wetland hydrology Indicators: Primary Indicators (minimum of o	ne is required; cher - - - - -	Aqua Marl I Hydro Oxidi Prese	tic Fauna (E Deposits (B ogen Sulfide zed Rhizosp ence of Red	15) (LRR U) Odor (C1) oheres on Living Roots(C3)	Surface Soi Sparsely Ve Drainage Pa Moss Trim I Dry-Season Crayfish Bu	l Cracks (B6) egetated Concave Surface (B8) atterns (B10) Lines (B16) n Water Table (C2)
Wetland hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ne is required; cher - - - - - - -	Aqua Mari I Hydro Oxidi Prese Rece	tic Fauna (E Deposits (B ogen Sulfide zed Rhizosp ence of Red	(LRR U) Odor (C1) oheres on Living Roots(C3) uced Iron (C4) uction in Tilled Soils (C6)	Surface Soi Sparsely Ve Drainage Pa Moss Trim I Dry-Season Crayfish Bu Saturation V	I Cracks (B6) egetated Concave Surface (B8) atterns (B10) Lines (B16) n Water Table (C2) Irrows (C8)
Wetland hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	ne is required; cher - - - - - - - - -	Aqua Marl I Hydro Oxidi Prese Rece Thin	tic Fauna (E Deposits (B ogen Sulfide zed Rhizosp ence of Red nt Iron Redu	15) (LRR U) Odor (C1) oberes on Living Roots(C3) uced Iron (C4) uction in Tilled Soils (C6) ce (C7)	Surface Soi Sparsely Ve Drainage Pa Moss Trim I Dry-Season Crayfish Bu Saturation V	I Cracks (B6) egetated Concave Surface (B8) atterns (B10) Lines (B16) n Water Table (C2) Irrows (C8) /isible on Aerial Imagery (C9) c Position (D2)
Wetland hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	- - - - - - - - - - - - - -	Aqua Marl I Hydro Oxidi Prese Rece Thin	tic Fauna (E Deposits (B ogen Sulfide zed Rhizosp ence of Red nt Iron Redu Muck Surfa	15) (LRR U) Odor (C1) oberes on Living Roots(C3) uced Iron (C4) uction in Tilled Soils (C6) ce (C7)	Surface Soi Sparsely Ve Drainage Pa Moss Trim I Dry-Season Crayfish Bu Saturation V Geomorphic	I Cracks (B6) egetated Concave Surface (B8) atterns (B10) Lines (B16) n Water Table (C2) Irrows (C8) Visible on Aerial Imagery (C9) c Position (D2) uitard (D3)

Field Observations:									
Surface Water Present?	Yes	No	х	Depth (inches):	N/A				
Water Table Present?	Yes	No	х	Depth (inches):	>20				
Saturation Present? (includes capillary fringe)	Yes	No	X	Depth (inches):	>20	Wetland Hydrology Present?	Yes	No	<u>x</u>

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

Remarks:

No positive indication of wetland hydrology was observed.

Sampling Point: SL1

					Deminence Technicite heat	
		Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:		% cover	Species?	Status	Number of Dominant Species	(4)
1				<u> </u>	That Are OBL, FACW, or FAC: 2	(A)
2			·	<u> </u>	Table	
3					Total Number of Dominant	
4					Species Across All Strata: 2	(B)
5				<u> </u>		
6	······································				Percent of Dominant Species	
			= Total Cover		That Are OBL, FACW, or FAC: 100%	(A/B)
			20% of total cover:		Prevalence Index Worksheet:	
Sapling Stratum (Plot size: 1. None Observed						by
						10 10
2						<u>+0</u> 0
3				<u> </u>	· · <u> </u>	<u>0</u> 30
4 5				<u> </u>		0
5			· ·			50
6	<u> </u>		= Total Cover		· ·	
	EON/ of total action		-		Column Totals: <u>60</u> (A) <u>1</u>	<u>20</u> (B)
Shrub Stratum (Plot size:	50% of total cover: 30 ft.)		20% of total cover:	<u> </u>	Prevalence Index = B/A = 2.00	
1. None Observed	<u> </u>					
2	· .				Hydrophytic Vegetation Indicators:	
3.					1 - Rapid Test for Hydrophytic Vegetation	
4					X 2 - Dominance Test is >50%	
				<u> </u>	X 3 - Prevalence Index is $\leq 3.0^1$	
5 6.	· .				Problematic Hydrophytic Vegetation ¹ (Expla	ain)
0			= Total Cover			aiii)
	50% of total cover:		20% of total cover:		¹ Indicators of hydric soil and wetland hydrology mus	t
Herb Stratum (Plot size:					be present, unless disturbed or problematic.	L .
1. Hymenocallis liriosme	<u> </u>	20	Yes	OBL	Definitions of Five Vegetation Strata:	
2. Juncus effusus		20	Yes	OBL	Tree - Woody plants, excluding woody vines,	
3. Rubus argutus		10	No	FAC	approximately 20 ft (6m) or more in height and 3 in.	
4. Rosa bracteata	· · ·	10	No	UPL	(7.6 cm) or larger in diameter at breast height (DBH)	
5.					(-
6.				<u> </u>	Sapling - Woody plants, excluding woody vines,	
7				<u> </u>	approximately 20 ft (6 m) or more in height and less	
8.					than 3 in. (7.6 cm) DBH.	
9.						
10.					Shrub - Woody plants, excluding woody vines,	
11					approximately 3 to 20 ft (1 to 6 m) in height.	
		60	= Total Cover			
	50% of total cover:	30	20% of total cover:	12	Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size:	30 ft.)				herbaceous vines, regardless of size, and woody	
1. None Observed					plants, except woody vines, less than approximately	
2					3 ft (1 m) in height.	
3.						
4.					Woody vine - All woody vines, regardless of height.	
5						
			= Total Cover		Hydrophytic	
	50% of total cover:		20% of total cover:		Vegetation	
					Present? Yes X No	
Remarks: (if observed, list mo	rphological adaptatio	ns below).				
A positive indication of hydropl	hytic vegetation was	observed (>50% of dominant sr	becies indexe	ed as OBL, FACW, or FAC).	
	, 3	```			- , - , -,	
A positive indication of hydropl	hytic vegetation was	observed (Prevalence Index is ≤	≤ 3.00).		
, , , , , , , , , , , , , , , , , , , ,		()		,		

Color (moist) % Type1 Loc2 Texture Remarks 0-2 10YR 4/4 100 None - - - Silt Loam - 2-8 10YR 4/3 100 None - - Silt Loam - - Silt Loam - - Silt Loam - - - - Silt Loam -	Depth	Matrix			Redox F	eatures	firm the abse	,	
0-2 10YR 4/4 100 None	nches)		%	Color (moist)			Loc ²	Texture	Remarks
2-6 10YR 4/3 100 None		` <i>`</i>		· · · · ·		<u></u>			
6-16 10YR 5/3 75 10YR 5/6 20 C M Silt Leam ''pre:									
IOYR 4/6 5 C PL ype: C PL yrpe: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ¹ : Histoc Epipedon (A2) Thin Dark Surface (S8) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Stratified Layers (A5) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T, U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) I cm Muck (A9) (LRR P, T) Mari (F10) (LRR V, D) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.					20		N		
Ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 2 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A9) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Piedmont Floodplain Soils (F19) (LRR P, S, Straffied Layers (A5) Depleted Matrix (F2) Organic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F6) (MLRA 153B) Sc cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (T72) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Think Dark Surface (A16) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Sandy Redox (S5)	0-10	1011 5/3	15					SIILLUAIII	
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Reduced Vertic (F18) (MLRA 150A, 150B) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6)				10YR 4/6		U			
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Reduced Vertic (F18) (MLRA 150A, 150B) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6)									
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Reduced Vertic (F18) (MLRA 150A, 150B) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6)						. <u></u>			
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Reduced Vertic (F18) (MLRA 150A, 150B) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6)									
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) (MLRA 153B) 0 copatic Bodies (A6) (LRR P, T, U) Depleted Odrix (F11) (MLRA 151) Cher (Explain in Remarks) 0 bepleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Belace Vertic (F18) (MLRA 150A) 1 cm Muck (A9) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X emarks: Hydric Soil Present? Yes No X	Type: C=Cor	ncentration, D=Dep	letion, RM=F	Reduced Matrix, M	S=Masked	Sand Grains.	² Location: F		
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Suffide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, * Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 6 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No	lydric Soils I	Indicators: (Appli	cable to all	LRRs, unless oth	erwise no	ted.)		Indicators for Prob	lematic Hydric Soils ³ :
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A, 150A, 150B) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T, U) Stratified Layers (A6) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (If observed): Type: No X Type:	Histosol ((A1)		Polyval	ue Below S	Surface (S8) (L l	RR S, T, U)	1 cm Muck (A9) (LRR O)
Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, S) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thro: Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Gleved Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A) Sandy Redox (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:	Histic Ep	ipedon (A2)		Thin Da	ark Surface	e (S9) (LRR S , [*]	Γ, U)	2 cm Muck (A1	0) (LRR S)
Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, S) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thro: Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Gleved Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A) Sandy Redox (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:		,							
Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:					-		- /		
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:					-				
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) sturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) sturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:									grit Loarny Solis (1 20)
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR O, P, T) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Stripped Matrix (S6) Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X eemarks: emarks:		. , -				()			
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) "indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) "indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Type:		• • • • •				. ,			()
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Muck Pre	esence (A8) (LRR I	U)		-				()
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A) etland hydrology must be present, unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) etland hydrology must be present, unless disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) ftandamatic for the present	1 cm Mu	ck (A9) (LRR P, T)		Marl (F	10) (LRR I	J)		Other (Explain	in Remarks)
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) No X estrictive Layer (if observed): Type: No X demarks: Hydric Soil Present? Yes No X	Depleted	Below Dark Surface	ce (A11)	Deplete	ed Ochric (F11) (MLRA 1 5	1)		
Soudst Hume Reduced (REO, RECEPTION)	Thick Da	rk Surface (A12)		Iron-Ma	anganese N	Masses (F12) (_RR O, P, T)	³ Indicators of	hydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S)Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4)Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5)Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6)Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes NoX emarks:	Coast Pr	airie Redox (A16) (MLRA 150A) Umbric	Surface (F	-13) (LRR P, T,	U)		
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): No x Matrix Soil Present? Yes emarks: No	Sandv M	uckv Mineral (S1)	(LRR O. S)	Delta C) chric (F17) (MLRA 151)		disturbed or p	roblematic.
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) emarks: Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D)			- , - ,				A 150B)		
Stripped Matrix (S6)		- , ,							
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X emarks:						,	,	04 4520 4520)	
estrictive Layer (if observed): Type: Depth (inches): NoX emarks:				Anoma	ious bright	Loarny Solis (r	20) (IVILKA 14	9A, 153C, 153D)	
Type:	Dan Our		0, 1, 0)						
Depth (inches):	estrictive L	ayer (if observed)	:						
Depth (inches):									
emarks:									
	Type:	hes):					Hydr	ic Soil Present? Ves	No X
	Type:	hes):					Hydr	ic Soil Present? Yes	No <u>X</u>
o positive indication of hydric soils was observed.	Type: Depth (inc	hes):					Hydr	ic Soil Present? Yes	No <u>X</u>
	Type:	hes):					Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (inc Remarks:		oils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl temarks:		pils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl Remarks:		oils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (inc		pils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl emarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl Remarks:		pils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (inc		oils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl emarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl emarks:		pils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl emarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl emarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl emarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	NoX
	Type: Depth (inc		bils was obse	erved.			Hydr	ic Soil Present? Yes	NoX
	Type: Depth (incl emarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl emarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl emarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl emarks:		oils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (inc		oils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl Remarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl temarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl temarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl Remarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (inc		bils was obse	erved.			Hydr	ic Soil Present? Yes	NoX
	Type: Depth (incl Remarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	NoX
	Type: Depth (inc Remarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	NoX
	Type: Depth (inc Remarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Type: Depth (incl Remarks:		bils was obse	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>

Project/Site:		Har	/ey Site		P	Parish:	1	Nest Felic	iana	Sampling D	Date: N	larch 8, 2018	
Applicant/Owner:		Ba	aton Rouge Area	a Chamber			State:	_	Louisiana	Louisiana Sample Point:		SL2	
Investigator(s):	tor(s): T. Simoneaux and O. Barry		/ 5	Section, Township, Range:			Secti	ion 43, Towns	hip 4 South, F	4 South, Range 2 West			
Landform (hillslope, te	errace, etc.):		Hillslope	9	I	Local relie	ef (concav	e, convex	, none):	Convex	Slope (%):	0-5	
Subregion (LRR or M	LRA):		LRR P			Lat:	30.729	9911°	Long:	-91.315660°	Datum:	NAD83	3
Soil Map Unit Name:				#N/.	A				NWI C	lassification:		None	
Are climatic / hydrolog	gic conditions of	on the sit	e typical for this	time of yea	ar?	(Yes / No))	Yes	(if no, e	xplain in Rem	arks.)		
Are Vegetation	No ,Soil	No	or Hydrology	No	significa	antly distu	irbed?	Are "Norm	al Circumsta	nces" present	? Yes	X No	
Are Vegetation	No ,Soil	No	or Hydrology	No	naturall	y problem	natic?		(If needed, e	xplain any ans	wers in Rema	arks.)	
		A	- !4	- 1			!	4!					

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

lydrophytic Vegetation Present? lydric Soil Present?	Yes Yes		X Is the Sampled Area		
Vetland Hydrology Present?	Yes X	No	within a Wetland?	Yes	No <u></u>
Remarks:					
This point was determined not to	be within a wetland	d due to the lac	k of hydrophytic vegetation and hydric s	oils.	
YDROLOGY					
Wetland hydrology Indicators:	:			Secondary Indicate	ors (minimum of two required)
Wetland hydrology Indicators: Primary Indicators (minimum of o		ck all that appl	у)		ors (minimum of two required) Cracks (B6)
			y) Fauna (B13)	Surface Soil	
Primary Indicators (minimum of o		Aquatic		Surface Soil	Cracks (B6) getated Concave Surface (B8)
Primary Indicators (minimum of o		Aquatic Aquatic	Fauna (B13)	Surface Soil Sparsely Ve	Cracks (B6) getated Concave Surface (B8) itterns (B10)
Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2)		Aquatic Marl De Hydroge	Fauna (B13) posits (B15) (LRR U)	Surface Soil Sparsely Ve Drainage Pa Moss Trim L	Cracks (B6) getated Concave Surface (B8) itterns (B10)
Primary Indicators (minimum of of Surface Water (A1) High Water Table (A2) X Saturation (A3)		Aquatic Marl Dej Hydroge Oxidized	Fauna (B13) posits (B15) (LRR U) en Sulfide Odor (C1)	Surface Soil Sparsely Ve Drainage Pa Moss Trim L	Cracks (B6) getated Concave Surface (B8) ttterns (B10) ines (B16) Water Table (C2)
Primary Indicators (minimum of of Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		Aquatic Marl Dep Hydroge Oxidized Presenc	Fauna (B13) posits (B15) (LRR U) en Sulfide Odor (C1) I Rhizospheres on Living Roots(C3)	Surface Soil Sparsely Ve Drainage Pa Moss Trim L Dry-Season Crayfish Bui	Cracks (B6) getated Concave Surface (B8) ttterns (B10) ines (B16) Water Table (C2)
Primary Indicators (minimum of of Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1)		Aquatic Marl De Hydroge Oxidized Presenc Recent I	Fauna (B13) posits (B15) (LRR U) en Sulfide Odor (C1) I Rhizospheres on Living Roots(C3) e of Reduced Iron (C4) ron Reduction in Tilled Soils (C6)	Surface Soil Sparsely Ve Drainage Pa Moss Trim L Dry-Season Crayfish Bui Saturation V	Cracks (B6) getated Concave Surface (B8) ttterns (B10) ines (B16) Water Table (C2) rows (C8)
Primary Indicators (minimum of of Surface Water (A1)		Aquatic Marl Dej Hydroge Oxidized Presenc Recent I Thin Mu	Fauna (B13) posits (B15) (LRR U) en Sulfide Odor (C1) I Rhizospheres on Living Roots(C3) e of Reduced Iron (C4) ron Reduction in Tilled Soils (C6) ck Surface (C7)	Surface Soil Sparsely Ve Drainage Pa Moss Trim L Dry-Season Crayfish Bui Saturation V Geomorphic	Cracks (B6) getated Concave Surface (B8) titterns (B10) ines (B16) Water Table (C2) rows (C8) isible on Aerial Imagery (C9) Position (D2)
Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	one is required; che	Aquatic Marl Dej Hydroge Oxidized Presenc Recent I Thin Mu	Fauna (B13) posits (B15) (LRR U) en Sulfide Odor (C1) I Rhizospheres on Living Roots(C3) e of Reduced Iron (C4) ron Reduction in Tilled Soils (C6)	Surface Soil Sparsely Ve Drainage Pa Moss Trim L Dry-Season Crayfish Bui Saturation V	Cracks (B6) getated Concave Surface (B8) itterns (B10) ines (B16) Water Table (C2) rows (C8) isible on Aerial Imagery (C9) Position (D2) itard (D3)

Field Observations:											
Surface Water Present?	Yes		No	Х	Depth (inches):	N/A					
Water Table Present?	Yes		No	Х	Depth (inches):	>20					
Saturation Present?	Yes	Х	No		Depth (inches):	0-16	Wetland Hydrology Present?	Yes _	X	No	

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

Remarks:

A positive indication of wetland hydrology was observed (at least one primary indicator).

	a) - Use scientif				Sampling Poir	· · · · · · · · · · · · · · · · · · ·	SL2	
		Absolute	Dominant	Indicator	Dominance Test worksheet:			
Tree Stratum (Dist size)	20 ft)							
Tree Stratum (Plot size:	<u>30 ft.</u>)	% cover	Species?	Status	Number of Dominant Species			(4)
1. Fraxinus pennsylvanica		30	Yes	FACW	That Are OBL, FACW, or FAC:		4	(A)
2. Ostrya virginiana		30	Yes	FACU				
3. <u>Carpinus caroliniana</u>		20	Yes	FAC	Total Number of Dominant			
4. Quercus nigra		10	No	FAC	Species Across All Strata:		8	(B)
5. Fagus grandifolia		5	No	FACU				
6					Percent of Dominant Species			
		95	= Total Cover		That Are OBL, FACW, or FAC:	50)%	(A/B)
	50% of total cover	47.5	20% of total cover:	19				
Sapling Stratum (Plot size:					Prevalence Index Worksheet:			
1. Ostrya virginiana	,	20	Yes	FACU	Total % Cover of:	1	Multiply by:	
					OBL species 0	x 1 =	<u>0</u>	
2			· · · · · · · · · · · · · · · · · · ·		FACW species 30	x 2 =	60	
3			·					
4			·		FAC species 40	x 3 =	120	
5			·		FACU species 60	x 4 =	240	
6			·		UPL species 10	x 5 =	50	
		20	= Total Cover		Column Totals: 140	(A)	470	(E
	50% of total cover	10	20% of total cover:	4				
Shrub Stratum (Plot size:	30 ft.)				Prevalence Index = B/A	. =	3.36	
1. llex vomitoria	,	5	Yes	FAC				
2			·		Hydrophytic Vegetation Indica	tors:		
					1 - Rapid Test for Hydro		tation	
3			· · · · · · · · · · · · · · · · · · ·		· ·		lation	
4					2 - Dominance Test is 2			
5			· · · · · · · · · · · · · · · · · · ·		3 - Prevalence Index is		1	
6					Problematic Hydrophyt	c Vegetation	' (Explain)	
		5	= Total Cover					
	50% of total cover	2.5	20% of total cover:	1	¹ Indicators of hydric soil and wet	land hydrolo	gy must	
Herb Stratum (Plot size:	30 ft.)				be present, unless disturbed or p	problematic.		
1. Trillium ludovicianum		10	Yes	UPL	Definitions of Five Vegetation	Strata:		
2. Polystichum acrostichoides		5	Yes	FACU	Tree - Woody plants, excluding	woodv vines	s.	
3.					approximately 20 ft (6m) or more	-		
					(7.6 cm) or larger in diameter at			
4			· · · · · · · · · · · · · · · · · · ·			Jieast neigh	t (DDH).	
5			· · · · · · · · · · · · · · · · · · ·		Sapling - Woody plants, excludi	na woody yir	100	
6					approximately 20 ft (6 m) or more			
7			·			e in neight ai	iu iess	
8					than 3 in. (7.6 cm) DBH.			
9								
10					Shrub - Woody plants, excluding		es,	
11.					approximately 3 to 20 ft (1 to 6 m	ı) in height.		
		15	= Total Cover					
	50% of total cover		20% of total cover:	3	Herb - All herbaceous (non-woo	dy) plants, in	cluding	
Woody Vine Stratum (Plot size:			20/0 01 10101 001011		herbaceous vines, regardless of	size, and wc	ody	
1. Bignonia capreolata	<u> </u>	5	Yes	FAC	plants, except woody vines, less	than approx	imatelv	
			103	TAC	3 ft (1 m) in height.		,	
2					o n (1)o.g			
3			· · · · · · · · · · · · · · · · · · ·			agardlaga of	haight	
4					Woody vine - All woody vines, r	egardiess of	neight.	
5								
		5	= Total Cover		Hydrophytic			
	50% of total cover	2.5	20% of total cover:	1	Vegetation			
		2.0		•	Vegetation			
				<u> </u>	Present? Yes	No	x	

No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC- or drier).

Depth	Matrix			Redox F	eatures			
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/2	100	None				Silt loam	
4-16	10YR 5/4	100	None	_			Silt loam	
	·						·	
Type C=Co	ncentration D=Den	letion RM=	Reduced Matrix, M	S=Masked	Sand Grains	² Location: PL	_=Pore Lining, M=Matr	ix
			I LRRs, unless oth			Looddonn i L		lematic Hydric Soils ³ :
•								•
Histosol	. ,				Surface (S8) (L l		1 cm Muck (A9	
	pipedon (A2)				e (S9) (LRR S, '		2 cm Muck (A1	0) (LRR S)
Black Hi	istic (A3)		Loamy	Mucky Mir	neral (F1) (LRR	O)	Reduced Vertic	: (F18) (outside MLRA 150A,E
Hydroge	en Sulfide (A4)		Loamy	Gleyed Ma	atrix (F2)		Piedmont Floor	dplain Soils (F19) (LRR P, S, T
Stratified	d Layers (A5)		Deplete	ed Matrix (I	=3)		Anomalous Bri	ght Loamy Soils (F20)
	Bodies (A6) (LRR I	от п		Dark Surfa			(MLRA 153B)	
								torial (TE2)
	ucky Mineral (A7) (L				rface (F7)		Red Parent Ma	
Muck Pr	resence (A8) (LRR I	J)		Depressio	. ,		Very Shallow D	ark Surface (TF12)
1 cm Mu	uck (A9) (LRR P, T)		Marl (F	10) (LRR	U)		Other (Explain	in Remarks)
Depleted	d Below Dark Surfac	ce (A11)	Deplete	ed Ochric (F11) (MLRA 15	51)		
Thick Da	ark Surface (A12)		Iron-Ma	nganese I	Masses (F12) (LRR O. P. T)	³ Indicators of	hydrophytic vegetation and
	rairie Redox (A16) (MI RA 150			=13) (LRR P, T,			logy must be present, unless
	, , ,		·	•	, ,	0)	disturbed or p	roblematic.
	/lucky Mineral (S1)	LRR 0, 5)	·) (MLRA 151)			
Sandy G	Bleyed Matrix (S4)		Reduce	ed Vertic (F	18) (MLRA 15	0A, 150B)		
Sandy R	Redox (S5)		Piedmo	ont Floodpl	ain Soils (F19)	(MLRA 149A)		
Stripped	Matrix (S6)		Anoma	lous Bright	t Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)	
Dark Su	rface (S7) (LRR P,	ят ш		-		, -		
estrictive L Type:	ayer (if observed)							
Туре:	ayer (if observed)	:				Hydric	Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	: Soil Present? Yes	No X
Type: Depth (ind		:				Hydric	: Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	c Soil Present? Yes	NoX
Type: Depth (ind		:				Hydric	: Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	: Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	: Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	: Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	Soil Present? Yes	No <u>X</u>
Type: Depth (ind		:				Hydric	Soil Present? Yes	NoX
Type: Depth (ind		:				Hydric	Soil Present? Yes	NoX
Type: Depth (ind		:				Hydric	Soil Present? Yes	NoX
Type: Depth (ind		:				Hydric	Soil Present? Yes	NoX
Type: Depth (ind		:				Hydric	: Soil Present? Yes	NoX

Project/Site:			Harv	vey Site		Parish:	: West Feliciana			iana	Sampling D	ate:	: March 8		
Applicant/Owner:			Ba	aton Rouge Area	Chambe	r	State: Louisiana			Sample Po	int:	S	SL3		
Investigator(s):	Simonea	aux	x and O. Barry			Section, Township, Range:		Section 43, Township		nip 4 South,	4 South, Range 2 We				
Landform (hillslope, te	errace, e	etc.):		Hilltop		Local	elie	ef (conc	ave, convex,	none):	Convex	Slope (%):		0-5	
Subregion (LRR or M	LRA):			LRR P		Lat	:	30.7	27906°	Long:	-91.313908°	Datum	:	NAD83	
Soil Map Unit Name:					#N/	/A				NWIC	lassification:		Non	е	
Are climatic / hydrolog	gic cond	litions o	n the sit	e typical for this	time of ye	ear? (Yes /	No))	Yes	(if no, e	xplain in Rema	arks.)			
Are Vegetation	No	_,Soil	No	or Hydrology,	No	significantly d	istu	urbed?	Are "Norm	al Circumsta	nces" present	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology	No	naturally prob	lem	natic?		(If needed, e	xplain any ans	wers in Ren	narks.)		
		NCC	Atto	ah aita man	ahawi	na complin		o int l	loootiona	tranca	to import	ant faati		ata	

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

lydrophytic Vegetation Present?	Yes	No	<u>x</u>	In the Original Area			
lydric Soil Present? Vetland Hydrology Present?	Yes <u> </u>	No No	X	Is the Sampled Area within a Wetland?	Yes	No X	
velianu Hydrology Fresent?	Tes A		<u> </u>		165		
Remarks:							
I his point was determined not to	be within a wetlan	d due to the	lack of hyd	drophytic vegetation and hydric s	OIIS.		
YDROLOGY							
YDROLOGY Wetland hydrology Indicators:	:				Secondary Indicat	ors (minimum of two re	quired)
		eck all that a	pply)			ors (minimum of two re I Cracks (B6)	quired)
Wetland hydrology Indicators:			pply) tic Fauna	(B13)	Surface Soi		
Wetland hydrology Indicators: Primary Indicators (minimum of e		Aqua	tic Fauna	(B13) B15) (LRR U)	Surface Soi	l Cracks (B6)	
Primary Indicators (minimum of Surface Water (A1)		Aqua Marl	tic Fauna (Deposits (Surface Soi	l Cracks (B6) egetated Concave Surfa atterns (B10)	
Wetland hydrology Indicators: Primary Indicators (minimum of or surface Water (A1)		Aqua Marl Hydr	tic Fauna Deposits (ogen Sulfic	B15) (LRR U)	Surface Soi Sparsely Ve Drainage P Moss Trim	l Cracks (B6) egetated Concave Surfa atterns (B10)	
Wetland hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1)		Aqua Marl Hydr Oxidi	tic Fauna Deposits (ogen Sulfic zed Rhizo	B15) (LRR U) de Odor (C1)	Surface Soi Sparsely Ve Drainage P Moss Trim	l Cracks (B6) getated Concave Surfa atterns (B10) Lines (B16) Water Table (C2)	
Wetland hydrology Indicators: Primary Indicators (minimum of elements) Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		Aqua Marl Hydr Oxidi Prese	tic Fauna Deposits (ogen Sulfic zed Rhizo ence of Re	B15) (LRR U) de Odor (C1) spheres on Living Roots(C3)	Surface Soi Sparsely Ve Drainage P Moss Trim Dry-Seasor Crayfish Bu	I Cracks (B6) egetated Concave Surfa atterns (B10) Lines (B16) I Water Table (C2) rrows (C8)	ace (B8)
Wetland hydrology Indicators: Primary Indicators (minimum of example) Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1)		Aqua Marl Hydr Oxidi Prese Rece	tic Fauna Deposits (ogen Sulfic zed Rhizo ence of Re	B15) (LRR U) de Odor (C1) spheres on Living Roots(C3) duced Iron (C4) duction in Tilled Soils (C6)	Surface Soi Sparsely Ve Drainage P Moss Trim Dry-Seasor Crayfish Bu Saturation V	l Cracks (B6) getated Concave Surfa atterns (B10) Lines (B16) Water Table (C2)	ace (B8)

Field	Observations:
	• • • • • • • • • • • • • • • • • • • •

Inundation Visible on Aerial Imagery (B7)

Water-Stained Leaves (B9)

Surface Water Present?	Yes		No	Х	Depth (inches): N/A					
Water Table Present?	Yes		No	Х	Depth (inches): >20					
Saturation Present? (includes capillary fringe)	Yes	Х	No	0-16	Depth (inches): nput Dept	Wetland Hydrology Present?	Yes	X	_ No	
(includes capillary inlige)										

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

Remarks:

A positive indication of wetland hydrology was observed (at least one primary indicator).

FAC-Neutral Test (D5)

Sphagnum moss (D8) (LRR T, U)

Tree Stratum (Plot size: 30 ft. % cover Species? 1. Liquidambar styraciflua 40 Yes 40 Yes 2. Ostrya virginiana 30 Yes 30 Yes 3. Quercus nigra 10 No 10 No 4. Quercus pagoda 10 No 10 No 5. Carpinus caroliniana 5 No 6 6.	FACU	Dominance Test worksheet:Number of Dominant SpeciesThat Are OBL, FACW, or FAC:2(A)Total Number of DominantSpecies Across All Strata:5(B)Percent of Dominant SpeciesThat Are OBL, FACW, or FAC:40%(A/B)Prevalence Index Worksheet:Total % Cover of:Multiply by:OBL species0x 1 =0FACW species10x 2 =20FAC species85x 3 =255FACU species0x 5 =0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is < 3.01Problematic Hydrophytic Vegetation 1 (Explain)
Internal Control % cover Species? 1. Liquidambar styraciflua 40 Yes 2. Ostrya virginiana 30 Yes 3. Quercus nigra 10 No 4. Quercus pagoda 10 No 5. Carpinus caroliniana 5 No 6.	Status FAC FACU FACW FAC 19 FACU FACU	Number of Dominant Species That Are OBL, FACW, or FAC:2(A)Total Number of Dominant Species Across All Strata:5(B)Percent of Dominant Species That Are OBL, FACW, or FAC:40%(A/B)Prevalence Index Worksheet: $10 \times 2 = 20$ (A/B)FACW species10 $\times 2 = 20$ FAC species85 $\times 3 = 255$ FACW species10 $\times 5 = 0$ (Column Totals:140UPL species0 $\times 5 = 0$ Column Totals:140Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2- Dominance Test is >50%3 - Prevalence Index is < 3.01
1. Liquidambar styraciflua 40 Yes 2. Ostrya virginiana 30 Yes 3. Quercus nigra 10 No 4. Quercus pagoda 10 No 5. Carpinus caroliniana 5 No 6.	FAC FACU FAC FACW FAC 19 FACU	That Are OBL, FACW, or FAC:2(A)Total Number of Dominant Species Across All Strata:5(B)Percent of Dominant Species That Are OBL, FACW, or FAC:40%(A/B)Prevalence Index Worksheet: 40% (A/B)Total % Cover of:Multiply by:(A/B)OBL species0 $x 1 = 0$ FACW species10 $x 2 = 20$ FAC species85 $x 3 = 255$ FACU species45 $x 4 = 180$ UPL species0 $x 5 = 0$ Column Totals:140(A)Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$
2. Ostrya virginiana 30 Yes 3. Quercus nigra 10 No 4. Quercus pagoda 10 No 5. Carpinus caroliniana 5 No 6. 95 = Total Cover 50% of total cover: 47.5 20% of total cover: 5apling Stratum (Plot size: 30 Yes 2. 3. 10 Yes 3. 10 Yes 20% of total cover: 5. 30 10 Yes 3. 10 Yes 20% of total cover: 5. 10 10 Yes 6. 10 10 Yes 2. 30 ft. 1 1. lex vomitoria 30 Yes 2 3. 30 Yes 2 6. 30 ft. 1 1. lex vomitoria <td>FACU FAC FACW FAC 19 FACU FACU</td> <td>Total Number of Dominant Species Across All Strata:5(B)Percent of Dominant Species That Are OBL, FACW, or FAC:40%(A/BPrevalence Index Worksheet:Total % Cover of:Multiply by:OBL species0x 1 =0FACW species10x 2 =20FACW species10x 2 =20FAC species85x 3 =255FACU species45x 4 =180UPL species0x 5 =0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is < 3.0¹</td>	FACU FAC FACW FAC 19 FACU FACU	Total Number of Dominant Species Across All Strata:5(B)Percent of Dominant Species That Are OBL, FACW, or FAC:40%(A/BPrevalence Index Worksheet:Total % Cover of:Multiply by:OBL species0x 1 =0FACW species10x 2 =20FACW species10x 2 =20FAC species85x 3 =255FACU species45x 4 =180UPL species0x 5 =0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is < 3.0 ¹
3. Quercus nigra 10 No 4. Quercus pagoda 10 No 5. Carpinus caroliniana 5 No 6. 95 = Total Cover 50% of total cover: 47.5 20% of total cover: 5apling Stratum (Plot size: 30 10 1. Ostrya virginiana 10 Yes 2 3. 10 Total Cover 5 5. 10 = Total Cover 5 6. 10 = Total Cover 20% of total cover: 5. 30 ft. 1 1. Hex vomitoria 30 Yes 2 3. 30 Yes 2 3. 30 Yes 2 6. 30 ft. 1 1. Ilex vomitoria 30 ft. 2	FAC FACW FAC 19 FACU 2	Species Across All Strata:5(B)Percent of Dominant Species That Are OBL, FACW, or FAC:40%(A/BPrevalence Index Worksheet: 10 $x 1 = 0$ FACW species0 $x 1 = 0$ $x 1 = 0$ FACW species10 $x 2 = 20$ FAC species85 $x 3 = 255$ FACU species45 $x 4 = 180$ UPL species0 $x 5 = 0$ Column Totals:140(A)Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$
4. Quercus pagoda 10 No 5. Carpinus caroliniana 5 No 6. 95 = Total Cover 50% of total cover: 47.5 20% of total cover: Sapling Stratum (Plot size: 30 ft.) 1. Ostrya virginiana 10 Yes 2. 10 Yes 2 3. 10 Yes 2 3. 10 Yes 2 4. 10 Yes 2 5. 10 = Total Cover 5 6. 10 = Total Cover 5 5. 10 = Total Cover 5 6. 10 = Total Cover 5 7.0% of total cover: 5 20% of total cover: 5 6. 30 Yes 2 2 3. 30 Yes 2 2 20% of total cover: 5. 30 ft.) 1 20% of total cover: 20% of total cover: 5. 30 ft.)	FACW FAC 19 FACU 2	Species Across All Strata:5(B)Percent of Dominant Species That Are OBL, FACW, or FAC:40%(A/BPrevalence Index Worksheet: 10 $x 1 = 0$ FACW species0 $x 1 = 0$ $x 1 = 0$ FACW species10 $x 2 = 20$ FAC species85 $x 3 = 255$ FACU species45 $x 4 = 180$ UPL species0 $x 5 = 0$ Column Totals:140(A)Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$
5. Carpinus caroliniana 5 No 6. 95 = Total Cover 50% of total cover: 47.5 20% of total cover: Sapling Stratum (Plot size: 30 ft.) 1. Ostrya virginiana 10 Yes 2. - - 3. - - 4. - - 5. - - 6. - - 5. - - 6. - - 5. - - 6. - - 5. - - 6. - - 3. - - 4. - - 2. - - 3. - - 4. - - 5. - - 6. - - 3.0 Yes - 4. - - 5. - - - 6. -	FAC 19 FACU 2	Percent of Dominant SpeciesThat Are OBL, FACW, or FAC:
6. 95 = Total Cover 50% of total cover: 47.5 20% of total cover: 27.5 20% of total cover: 30 ft.) 1. Ostrya virginiana 10 Yes 2. 3 10 Yes 3. -1 10 Yes 4. -1 -1 -1 -1 -1 -1 -1 -1	19 FACU 2	That Are OBL, FACW, or FAC:40%(A/BPrevalence Index Worksheet: $_$ Total % Cover of:Multiply by:OBL species0x 1 =ACW species10x 2 =FACW species85x 3 =255FACU species45FACU species0x 5 =OColumn Totals:140Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$
95 = Total Cover 50% of total cover: 47.5 20% of total cover: 3. 10 Yes 2.	FACU 2	That Are OBL, FACW, or FAC:40%(A/BPrevalence Index Worksheet: $_$ Total % Cover of:Multiply by:OBL species0x 1 =ACW species10x 2 =FACW species85x 3 =255FACU species45FACU species0x 5 =OColumn Totals:140Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$
95 = Total Cover 50% of total cover: 47.5 20% of total cover: Sapling Stratum (Plot size: 30 ft) 10 Yes 2.	FACU 2	Prevalence Index Worksheet:Total % Cover of:Multiply by:OBL species0x 1 =0FACW species10x 2 =20FAC species85x 3 =255FACU species45x 4 =180UPL species0x 5 =0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is < 3.01
Sapling Stratum (Plot size:30 ft) 1. Ostrya virginiana10 Yes3. 23. 33. 45. 56. 56. 1. llex vomitoria30 ft) 1. llex vomitoria30 Yes3. 23. 36. 36. 36. 36. 36. 3	FACU 2	Total % Cover of:Multiply by:OBL species0x 1 =0FACW species10x 2 =20FAC species85x 3 =255FACU species45x 4 =180UPL species0x 5 =0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3.01
Sapling Stratum (Plot size:30_ft) 1. Ostrya virginiana 10 Yes 23.	FACU 2	Total % Cover of:Multiply by:OBL species0x 1 =0FACW species10x 2 =20FAC species85x 3 =255FACU species45x 4 =180UPL species0x 5 =0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3.01
1. Ostrya virginiana 10 Yes 2.	2	OBL species0 $x 1 =$ 0FACW species10 $x 2 =$ 20FAC species85 $x 3 =$ 255FACU species45 $x 4 =$ 180UPL species0 $x 5 =$ 0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$
3.		FACW species10 $x 2 =$ 20FAC species85 $x 3 =$ 255FACU species45 $x 4 =$ 180UPL species0 $x 5 =$ 0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$
3.		FAC species85 $x 3 =$ 255FACU species45 $x 4 =$ 180UPL species0 $x 5 =$ 0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$
4.		FAC species85 $x 3 =$ 255FACU species45 $x 4 =$ 180UPL species0 $x 5 =$ 0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$
5.		FACU species45 $x 4 =$ 180UPL species0 $x 5 =$ 0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$
6.		UPL species0 $x 5 =$ 0Column Totals:140(A)455Prevalence Index = B/A =3.25Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$
50% of total cover: 5 20% of total cover: Shrub Stratum (Plot size: 30 Yes 1. <i>llex vomitoria</i> 30 Yes 20% 2. 30 Yes 20% 3. 30 Yes 20% 4. 30 Yes 20% 5. 30 Stratum 30 6. 30 Stratum Stratum Stratum (Plot size: 30 ft. 30 Stratum 1. <i>Callicarpa americana</i> 5 Yes 2 3. 3 30 Stratum Stratum Stratum 6. 30 Stratum Stratum Stratum Stratum Stratum 1. Callicarpa americana 5 Yes 2 3. 3 3 3 3 3 4. Stratum Stratu		Column Totals: 140 (A) 455 Prevalence Index = B/A = 3.25 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤ 3.0 ¹
50% of total cover: 5 20% of total cover: Shrub Stratum (Plot size: 30 Yes 1. llex vomitoria 30 Yes 20% 2. 30 Yes 20% 3. 30 Yes 20% 4. 30 Yes 20% 5. 30 Solution 30 6. 30 Solution 30 Solution 1. Callicarpa americana 5 Yes 20% of total cover: 3. 30 Solution Solution 30 4. 30 Solution Solution Solution 6. 30 Solution Solution Solution		Prevalence Index = B/A = <u>3.25</u> Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤ 3.0 ¹
Shrub Stratum (Plot size:30 ft) 1. llex vomitoria 30 Yes 2		Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤ 3.0 ¹
1. Ilex vomitoria 30 Yes 2.	FAC	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤ 3.0 ¹
2.		1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤ 3.0 ¹
3.		1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤ 3.0 ¹
4.		2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$
5.		3 - Prevalence Index is $\leq 3.0^1$
6.		
30 = Total Cover 50% of total cover: 15 20% of total cover: 1. Callicarpa americana 5 Yes 2.		Problematic Hydrophytic Vegetation (Explain)
50% of total cover: 15 20% of total cover: Herb Stratum (Plot size: 30 ft.) 1. Callicarpa americana 5 Yes		
Herb Stratum (Plot size:30 ft) 1. Callicarpa americana 5 2 3 4 5	-	1
1. Callicarpa americana 5 Yes 2.	6	¹ Indicators of hydric soil and wetland hydrology must
2.		be present, unless disturbed or problematic.
3. 4. 5. 6.	FACU	Definitions of Five Vegetation Strata:
4		Tree - Woody plants, excluding woody vines,
5 6		approximately 20 ft (6m) or more in height and 3 in.
6		(7.6 cm) or larger in diameter at breast height (DBH).
	<u> </u>	
7	<u> </u>	Sapling - Woody plants, excluding woody vines,
7	<u> </u>	approximately 20 ft (6 m) or more in height and less
8		than 3 in. (7.6 cm) DBH.
9		
0		Shrub - Woody plants, excluding woody vines,
1		approximately 3 to 20 ft (1 to 6 m) in height.
<u> </u>		
50% of total cover: 2.5 20% of total cover:	1	Herb - All herbaceous (non-woody) plants, including
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft.</u>)		herbaceous vines, regardless of size, and woody
1. None Observed		plants, except woody vines, less than approximately
2		3 ft (1 m) in height.
3		
4		Woody vine - All woody vines, regardless of height.
5.		
= Total Cover		Hydrophytic
50% of total cover: 20% of total cover:		Vegetation
		Present? Yes <u>No X</u>
Demarka, (if shear and list marked arised adaptations to the A		
Remarks: (if observed, list morphological adaptations below).		

Depth inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 5/4	100	None	_			Silt loam	
Type: C=Co	ncentration, D=Dep	letion, RM=I	Reduced Matrix, M	S=Masked	Sand Grains.	² Location: PL	=Pore Lining, M=Mat	rix.
	Indicators: (Appli						Indicators for Prob	olematic Hydric Soils ³ :
Histosol	(A1)		Polyva	ue Below	Surface (S8) (Ll	RR S, T, U)	1 cm Muck (AS	9) (LRR O)
Histic Ep	pipedon (A2)		Thin D	ark Surfac	e (S9) (LRR S , ⁻	Γ, U)	2 cm Muck (A	10) (LRR S)
Black Hi	istic (A3)		Loamy	Mucky Mi	neral (F1) (LRR	O)	Reduced Verti	c (F18) (outside MLRA 150A,
Hydroge	en Sulfide (A4)		Loamy	Gleyed M	atrix (F2)		Piedmont Floo	dplain Soils (F19) (LRR P, S, [·]
Stratified	d Layers (A5)		Deplete	ed Matrix (F3)		Anomalous Bri	ght Loamy Soils (F20)
Organic	Bodies (A6) (LRR F	P, T, U)	Redox	Dark Surfa	ace (F6)		(MLRA 153B)	
5 cm Mu	ucky Mineral (A7) (L	.RR P, T, U)	Deplete	ed Dark Su	urface (F7)		Red Parent Ma	aterial (TF2)
Muck Pr	resence (A8) (LRR l	U)	Redox	Depressio	ns (F8)		Very Shallow [Dark Surface (TF12)
1 cm Mu	uck (A9) (LRR P, T)		Marl (F	10) (LRR	U)		Other (Explain	in Remarks)
Depleted	d Below Dark Surfac	ce (A11)	Deplete	ed Ochric	(F11) (MLRA 15	1)	_	
	ark Surface (A12)			anganese	Masses (F12) (LRR O, P, T)		hydrophytic vegetation and
Coast P	rairie Redox (A16) (MLRA 150A)Umbric	Surface (F13) (LRR P, T ,	U)	disturbed or	ology must be present, unless
	/lucky Mineral (S1) ((LRR O, S)			7) (MLRA 151)			
	Gleyed Matrix (S4)				F18) (MLRA 15	-		
	Redox (S5)				lain Soils (F19)			
Stripped	l Matrix (S6)		Anoma	lous Brigh	t Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)	
Dark Su	rface (S7) (LRR P,	S, T, U)						
Depth (ind	ches):					Hydric	Soil Present? Yes	No <u>X</u>
emarks:								
emarks:								
	dication of hydric so	oils was obse	erved.					
	dication of hydric so	oils was obse	erved.					
	dication of hydric so	oils was obse	erved.					
	dication of hydric so	pils was obse	erved.					
	dication of hydric so	oils was obse	erved.					
	dication of hydric so	bils was obse	erved.					
	dication of hydric so	bils was obse	erved.					
	dication of hydric so	bils was obse	erved.					
	idication of hydric so	bils was obse	erved.					
	idication of hydric so	bils was obse	erved.					
	dication of hydric so	bils was obse	erved.					
	idication of hydric so	bils was obse	erved.					
	dication of hydric so	bils was obse	erved.					
	dication of hydric so	bils was obse	erved.					
	dication of hydric so	bils was obse	erved.					
	idication of hydric so	bils was obse	erved.					
	idication of hydric so	bils was obse	erved.					
	idication of hydric so	bils was obse	erved.					
temarks:	idication of hydric so	bils was obse	erved.					
	idication of hydric so	bils was obse	erved.					
	idication of hydric so	bils was obse	erved.					

Project/Site:			Har	/ey Site			Parish:		West Felic	iana	Sampling D	ate:	March	8, 2018
Applicant/Owner:			Ba	Baton Rouge Area Chamber			State:		Louisiana Sample		int:	nt: SL4		
Investigator(s):	Τ.	Simonea	aux	and	O. Barr	у	Section, T	ownshij	p, Range:	Sect	ion 43, Townsh	hip 4 South,	Range	e 2 West
Landform (hillslope,	terrace, e	etc.):		Toe of slo	be		Local relie	ef (conc	ave, convex	, none):	Concave	Slope (%):		10-20
Subregion (LRR or I	MLRA):			LRR P			Lat:	30.7	26347°	Long:	-91.315044°	Datum		NAD83
Soil Map Unit Name	: <u> </u>				#N	I/A				NWIC	lassification:		Non	е
Are climatic / hydrolo	ogic cond	litions or	n the sit	e typical for this	time of ye	ear?	(Yes / No)	Yes	(if no, e	explain in Rema	arks.)		
Are Vegetation	No	,Soil	No	or Hydrology	No	sign	ificantly distu	irbed?	Are "Norm	al Circumsta	ances" present	? Yes	Х	No
Are Vegetation	No	,Soil	No	or Hydrology	No	natu	rally problem	natic?		(If needed, e	explain any ans	wers in Rem	arks.)	
SUMMARY OF	FIND	NGS	- Atta	ch site map	showi	ing sa	ampling p	oint	location	s, transe	cts, import	ant featu	res,	etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes X Yes X	No No No	Is the Sampled Area within a Wetland?	Yes X	No
Remarks:					
This point was determined to be	within a wetland due t	o the presence of all 3	wetland criteria.		

HYDROLOGY
Watland budg

Wetland hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check a	all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1)	Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Marl Deposits (B15) (LRR U)	Drainage Patterns (B10)
Saturation (A3)	_ Hydrogen Sulfide Odor (C1)	Moss Trim Lines (B16)
Water Marks (B1)	Oxidized Rhizospheres on Living F	Coots(C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Drift Deposits (B3)	_ Recent Iron Reduction in Tilled So	ls (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	_ Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5)	Other (Explain in Remarks)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)		X FAC-Neutral Test (D5)
Water-Stained Leaves (B9)		Sphagnum moss (D8) (LRR T, U)
Field Observations:		
Surface Water Present? Yes X No	Depth (inches): 2	
Water Table Present? Yes NoX	Depth (inches): >20	
Saturation Present? Yes No X	Depth (inches): >20	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring we	I, aerial photos, previous inspections)	if available:
Remarks:		

A positive indication of wetland hydrology was observed (at least one primary indicator).

Sampling Point: SL4

		AL 1.4			Dominance Test w	orkshoot.			
The Obstance (Distained of		Absolute	Dominant	Indicator					
· · · ·	<u>30 ft.</u>)	% cover	Species?	Status	Number of Dominar				(•)
1. None Observed	·				That Are OBL, FAC	W, or FAC:		1	(A)
2									
3					Total Number of Do				
4					Species Across All S	Strata:		1	(B)
5									
6	<u> </u>				Percent of Dominan	t Species			
	-		= Total Cover		That Are OBL, FAC	W, or FAC:	10	00%	(A/B)
Ę	50% of total cover:		20% of total cover:						
Sapling Stratum (Plot size: 3	<u>30 ft.</u>)				Prevalence Index	Norksheet:			
1. None Observed					Total % C	Cover of:		Multiply by:	
2					OBL species	60	x 1 =	60	
3					FACW species	0	x 2 =	0	
4					FAC species	10	x 3 =	30	
5					FACU species	0	x 4 =	0	
6.					UPL species	10	x 5 =	50	
			= Total Cover		Column Totals:	80	(A)	140	(B)
Ę	50% of total cover:		20% of total cover:		-		• •		
Shrub Stratum (Plot size: 3	<u>30 ft.</u>)				Prevalence	e Index = B/A =		1.75	
1. None Observed	· .		<u> </u>			- 41 1 11 4			
2			<u> </u>		Hydrophytic Veget				
3	·					Fest for Hydrop		etation	
4					X 2 - Domina				
5					X 3 - Prevale			1	
6					Problemati	c Hydrophytic V	Vegetatio	n' (Explain)	
			= Total Cover						
			20% of total cover:		¹ Indicators of hydric				
Herb Stratum (Plot size: 3	<u>30 ft.</u>)				be present, unless of	listurbed or pro	blematic.		
1. Juncus effusus		60	Yes	OBL	Definitions of Five	Vegetation St	rata:		
2. Rubus argutus		10	No	FAC	Tree - Woody plant	ts, excluding wo	oody vine	s,	
3. Rosa bracteata		10	No	UPL	approximately 20 ft	(6m) or more in	height a	nd 3 in.	
4					(7.6 cm) or larger in	diameter at bre	east heigł	nt (DBH).	
5									
6. <u></u>					Sapling - Woody pl	-	-		
7					approximately 20 ft		n height a	and less	
0					than 3 in. (7.6 cm) [DBH.			
8									
8 9 10				·	Shrub - Woody plan	nts, excluding w	voody vin	es,	
9 10					Shrub - Woody plar approximately 3 to 2			es,	
9 10		80	= Total Cover					es,	
9 10 11			= Total Cover 20% of total cover:			20 ft (1 to 6 m) i	n height.		
9 10 11	50% of total cover:			16	approximately 3 to 2	20 ft (1 to 6 m) i us (non-woody)	n height.) plants, i	ncluding	
9 10 11 <u>Woody Vine Stratum</u> (Plot size:				16	approximately 3 to 2 Herb - All herbaceo	20 ft (1 to 6 m) i us (non-woody) egardless of siz	n height.) plants, i ze, <u>and</u> w	ncluding oody	
9	50% of total cover: 30 ft.)				approximately 3 to 2 Herb - All herbaceo herbaceous vines, r	20 ft (1 to 6 m) i us (non-woody) egardless of siz	n height.) plants, i ze, <u>and</u> w	ncluding oody	
9	50% of total cover: 30 ft)				approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood	20 ft (1 to 6 m) i us (non-woody) egardless of siz	n height.) plants, i ze, <u>and</u> w	ncluding oody	
9	50% of total cover: 30 ft.)			 	approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood	20 ft (1 to 6 m) i us (non-woody) egardless of siz y vines, less th	n height.) plants, i ze, <u>and</u> w an approx	ncluding oody kimately	
9	50% of total cover: 30 ft.)			 	approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood 3 ft (1 m) in height.	20 ft (1 to 6 m) i us (non-woody) egardless of siz y vines, less th	n height.) plants, i ze, <u>and</u> w an approx	ncluding oody kimately	
9	50% of total cover: 30 ft.)	40	20% of total cover:	 	approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All wo	20 ft (1 to 6 m) i us (non-woody) egardless of siz y vines, less th	n height.) plants, i ze, <u>and</u> w an approx	ncluding oody kimately	
9	50% of total cover: 30 ft.)	40	20% of total cover:		approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All wo Hydrophytic	20 ft (1 to 6 m) i us (non-woody) egardless of siz y vines, less th	n height.) plants, i ze, <u>and</u> w an approx	ncluding oody kimately	
9	50% of total cover: 30 ft.)	40	20% of total cover:		approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All wo Hydrophytic Vegetation	20 ft (1 to 6 m) i us (non-woody) egardless of siz y vines, less the body vines, reg	n height.) plants, i ze, <u>and</u> w an approx ardless o	ncluding oody kimately f height.	
9	50% of total cover: 30 ft.)	40	20% of total cover:		approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All wo Hydrophytic Vegetation	20 ft (1 to 6 m) i us (non-woody) egardless of siz y vines, less th	n height.) plants, i ze, <u>and</u> w an approx ardless o	ncluding oody kimately f height.	
9	50% of total cover: 30 ft.)	40	20% of total cover:		approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All wo Hydrophytic Vegetation	20 ft (1 to 6 m) i us (non-woody) egardless of siz y vines, less the body vines, reg	n height.) plants, i ze, <u>and</u> w an approx ardless o	ncluding oody kimately f height.	
9	50% of total cover: 30 ft.) 50% of total cover:	40 	20% of total cover:		approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All wo Hydrophytic Vegetation Present?	20 ft (1 to 6 m) i us (non-woody) egardless of siz y vines, less the body vines, reg Yes <u>X</u>	n height.) plants, i ze, <u>and</u> w an approx ardless o	ncluding oody kimately f height.	
9	50% of total cover: 30 ft.) 50% of total cover:	40 	20% of total cover:		approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All wo Hydrophytic Vegetation Present?	20 ft (1 to 6 m) i us (non-woody) egardless of siz y vines, less the body vines, reg Yes <u>X</u>	n height.) plants, i ze, <u>and</u> w an approx ardless o	ncluding oody kimately f height.	
9	50% of total cover: 30 ft.) 50% of total cover: 50% of total cover: hological adaptation	40	20% of total cover:		approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All wo Hydrophytic Vegetation Present?	20 ft (1 to 6 m) i us (non-woody) egardless of siz y vines, less the body vines, reg Yes <u>X</u>	n height.) plants, i ze, <u>and</u> w an approx ardless o	ncluding oody kimately f height.	

SL4

epth	Matrix		Redox Fe	atures			
nches)	Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
N/A							
Type: C=C	Concentration, D=Depletion, RM=F	Reduced Matrix, M	IS=Masked S	and Grains.	² Location: Pl	L=Pore Lining, M=Matrix	ζ.
	s Indicators: (Applicable to all						ematic Hydric Soils ³ :
Histoso				, Irface (S8) (LR	R S. T. U)	1 cm Muck (A9)	
	Epipedon (A2)			(S9) (LRR S, T		2 cm Muck (A10	
	Histic (A3)			ral (F1) (LRR ((F18) (outside MLRA 150A,
	gen Sulfide (A4)		Gleyed Matr		0)		plain Soils (F19) (LRR P, S,
	ed Layers (A5)		ted Matrix (F3				ht Loamy Soils (F20)
	ic Bodies (A6) (LRR P, T, U)	·	Dark Surface	,		(MLRA 153B)	
-	Aucky Mineral (A7) (LRR P, T, U)		ted Dark Surface	. ,		Red Parent Mate	arial (TE2)
	Presence (A8) (LRR U)		Depressions				ark Surface (TF12)
	Muck (A9) (LRR P, T)		=10) (LRR U)	. ,		Other (Explain in	· · · ·
	ed Below Dark Surface (A11)			11) (MLRA 15 [,]	1)		r Remarks)
	Dark Surface (A12)	·		asses (F12) (L		³ Indicators of h	vdrophytic vegetation and
	Prairie Redox (A16) (MLRA 150A		-				ogy must be present, unless
	(),(3) (LRR P, T,	0)	disturbed or pr	
	Mucky Mineral (S1) (LRR O, S)		Ochric (F17)				
	Gleyed Matrix (S4)			8) (MLRA 150			
	Redox (S5)		-	n Soils (F19) (-		
	ed Matrix (S6)	Anoma	alous Bright L	oamy Soils (F	20) (MLRA 149	A, 153C, 153D)	
Dark S	Surface (S7) (LRR P, S, T, U)						
estrictive	Layer (if observed):						
Type:						0 - '' D	V N-
Depth (I	nches):				Hydrie	c Soll Present? Yes	<u>X</u> No
emarks:							
	ple collected. Soils assumed hydr	ic due to extent/du	ration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	iration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	iration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ıration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	iration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ıration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ıration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ıration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ıration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ıration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ıration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ıration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ıration of inur	idation.			
	ple collected. Soils assumed hydr	ic due to extent/dı	ıration of inur	idation.			

Project/Site:			Har	vey Site			Parish:		West Felici	ana	Sampling D	Date: N	March	8, 2018
Applicant/Owner:			Ba	aton Rouge Area	Chamber	-		Sta	ate:	Louisiana	Sample Po	pint:	S	L5
Investigator(s):	Τ.	Simonea	aux	and	O. Barry	/	Section, T	ownshi	ip, Range:	Sec	tion 43, Towns	hip 4 South, I	Range	2 West
Landform (hillslope, te	errace, e	etc.):		Hillslope			Local relie	f (conc	cave, convex,	none):	Convex	Slope (%):		0-5
Subregion (LRR or M	ILRA):			LRR P			Lat:	30.7	727997°	Long:	-91.312939°	Datum:		NAD83
Soil Map Unit Name:					#N/	A				NWIC	lassification:		None	•
Are climatic / hydrolog	gic conc	ditions or	n the sit	te typical for this	time of ye	ar?	(Yes / No)	Yes	(if no, e	explain in Rem	arks.)		
Are Vegetation	No	,Soil	No	or Hydrology	No	_sign	ificantly distu	rbed?	Are "Norma	al Circumsta	ances" present	? Yes	Х	No
Are Vegetation	No	,Soil	No	or Hydrology	No	natu	rally problem	atic?	(lf needed, e	explain any ans	wers in Rem	arks.)	

Hydrophytic Vegetation Present? Hydric Soil Present? Netland Hydrology Present?	Yes Yes Yes		No No No	Is the Sampl within a Wet		Yes	No	x
Remarks: This point was determined not to	be within a w	retland du	e to the lack of hydric	: soils.				
YDROLOGY								
Wetland hydrology Indicators: Primary Indicators (minimum of of Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aeria Water-Stained Leaves (B9)	one is required al Imagery (B7		Aquatic Fauna (B1 Marl Deposits (B1 Hydrogen Sulfide Oxidized Rhizosph	b) (LRR U) Odor (C1) heres on Living ced Iron (C4) tion in Tilled Sc e (C7)	Roots(C3)	Drainage Pa Moss Trim Li Dry-Season Crayfish Buri Saturation Vi Geomorphic Shallow Aqui FAC-Neutral	Cracks (B6) getated Conca tterns (B10) ines (B16) Water Table (f rows (C8) isible on Aerial Position (D2) itard (D3)	ve Surface (B8) C2) I Imagery (C9)
Water Table Present? Yes	No No X No gauge, moni	<u> </u>	Depth (inches): Depth (inches):	>20 16-Mar	_	ology Present?	Yes X	No
Remarks: A positive indication of wetland h	ydrology was	observed	l (at least one primary	r indicator).				

Sampling Point:

SL5

		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominant Species		
1 Dinus toodo		25	Yes	FAC	That Are OBL, FACW, or FAC:	5	(A)
2. Quercus nigra		25	Yes	FAC			
3. Magnolia grandiflora		5	No	FAC	Total Number of Dominant		
4					Species Across All Strata:	5	(B)
5.							,
6.					Percent of Dominant Species		
		55	= Total Cover		That Are OBL, FACW, or FAC:	100%	(A/B)
	50% of total cover:	27.5	20% of total cover:	11			
Sapling Stratum (Plot size:					Prevalence Index Worksheet:		
1. None Observed					Total % Cover of:	Multiply by	:
2					OBL species 0	x 1 = 0	
3					FACW species 0	x 2 = 0	
4					FAC species 120	x 3 = 360	
5	<u> </u>				FACU species 0	x 4 = 0	
6					UPL species 0	x 5 = 0	
			= Total Cover		Column Totals: 120	(A) 360	(B)
	50% of total cover:	:	20% of total cover:				
Shrub Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index = B/A =	3.00	
1. Ligustrum sinense		30	Yes	FAC			
2. Ilex vomitoria		30	Yes	FAC	Hydrophytic Vegetation Indicate		
3					1 - Rapid Test for Hydrop		
4					X 2 - Dominance Test is >5		
5					X_3 - Prevalence Index is ≤		
6					Problematic Hydrophytic	Vegetation' (Explain))
			= Total Cover				
	50% of total cover:	30	20% of total cover:	12	¹ Indicators of hydric soil and wetla		
Herb Stratum (Plot size:	<u>30 ft.</u>)	_			be present, unless disturbed or pro		
1. Vitis rotundifolia		5	Yes	FAC	Definitions of Five Vegetation S		
2		. <u> </u>			Tree - Woody plants, excluding w	-	
3					approximately 20 ft (6m) or more in		
4					(7.6 cm) or larger in diameter at br	east height (DBH).	
5					Sapling - Woody plants, excluding	n woody vines	
6					approximately 20 ft (6 m) or more		
7					than 3 in. (7.6 cm) DBH.	in height and less	
8							
9					Shrub - Woody plants, excluding	woody vines	
10	<u> </u>				approximately 3 to 20 ft (1 to 6 m)		
11		5	- Tatal Causar				
			= Total Cover	1	Herb - All herbaceous (non-wood)	/) plants including	
Mandu Vina Stratum (Diataiza)	50% of total cover:	: 2.5	20% of total cover:	<u> </u>	herbaceous vines, regardless of si		
<u>Woody Vine Stratum</u> (Plot size: 1. <i>None Observed</i>	<u> </u>				plants, except woody vines, less th	· •	
					3 ft (1 m) in height.		
2					- · · (· · · ·) ······		
3					Woody vine - All woody vines, red	ardless of height.	
4						, 3	
5	·		= Total Cover		Hydrophytic		
	50% of total cover:				Vegetation		
					-	No	
						_ No	
Remarks: (if observed, list mo	nnhological adaptatic	ons helow)			I		
		,					
A positive indication of hydrop	hytic vegetation was	observed (>50% of dominant sp	pecies indexe	ed as OBL, FACW, or FAC).		
A positive indication of hydrop	hytic vegetation was	observed (Prevalence Index is ≤	≤ 3.00).			

inches) 0-3		%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
	Color (moist) 10YR 3/2	100	None				Silt loam	
3-16	10YR 5/4	100	None	_			Silt loam	
<u> </u>			<u> </u>				<u> </u>	
				—				
			Reduced Matrix, M			² Location: Pl	L=Pore Lining, M=Matr	
Histoso	· · · ·	cable to al	I LRRs, unless othe		oted.) Surface (S8) (L l	PRSTIN	1 cm Muck (A9	lematic Hydric Soils ³ :
	pipedon (A2)				e (S9) (LRR S, '		2 cm Muck (A5	
	listic (A3)				neral (F1) (LRR			(F18) (outside MLRA 150A,
Hydrog	en Sulfide (A4)		Loamy	Gleyed M	atrix (F2)		Piedmont Floor	plain Soils (F19) (LRR P, S, '
	d Layers (A5)			ed Matrix (ght Loamy Soils (F20)
	Bodies (A6) (LRR I			Dark Surfa	. ,		(MLRA 153B)	
	ucky Mineral (A7) (L resence (A8) (LRR I			Depressio	urface (F7)		Red Parent Ma	terial (TF2) ark Surface (TF12)
	uck (A9) (LRR P, T)			10) (LRR	()		Other (Explain	
	d Below Dark Surfac		·	<i>,</i> .	-, (F11) (MLRA 1 5	51)		,
Thick D	ark Surface (A12)		Iron-Ma	nganese	Masses (F12) (LRR O, P, T)		hydrophytic vegetation and
Coast F	Prairie Redox (A16) (MLRA 150	A)Umbric	Surface (F13) (LRR P, T ,	, U)	wetland hydro disturbed or p	logy must be present, unless
	Mucky Mineral (S1)	(LRR O, S)		•	7) (MLRA 151)		disturbed of p	
-	Gleyed Matrix (S4)				F18) (MLRA 15)	-		
-	Redox (S5) d Matrix (S6)				lain Soils (F19) t Loamy Soils (F		A, 153C, 153D)	
	urface (S7) (LRR P,	S, T, U)		ouo Brigi	t Louiny Collo (I	20) (112101140	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
estrictive	Layer (if observed)	:						
Type:								
Depth (in	iches):					Hydrie	c Soil Present? Yes	No X
emarks:								
o positive ir	ndication of hydric se	oils was obs	served.					

Project/Site:			Har∖	/ey Site			Parish:		West Felic	ciana	Sampling Da	ate:	March	8, 2018
Applicant/Owner:			Ba	aton Rouge Area	Chambe			Sta	te:	Louisian	a Sample Poi	nt:	S	L6
Investigator(s):	Τ.	Simonea	aux	and	O. Barr	/	Section, T	ownshi	p, Range:	Sec	tion 43, Townsh	ip 4 South,	Range	e 2 West
Landform (hillslope,	terrace, e	etc.):		Depressio	n		Local relie	f (conc	ave, conve	(, none):	Concave	Slope (%):		0-5
Subregion (LRR or I	MLRA):			LRR P			Lat:	30.7	'29512°	Long:	-91.313797°	Datum	:	NAD83
Soil Map Unit Name	:				#N/	A				NWI	Classification:		Non	e
Are climatic / hydrolo	ogic cond	litions or	n the sit	e typical for this t	time of ye	ar?	(Yes / No)		Yes	(if no,	explain in Rema	rks.)		
Are Vegetation	No	_,Soil	No	or Hydrology	No	_signi	ficantly distu	rbed?	Are "Norm	nal Circumst	ances" present?	Yes	Х	No
Are Vegetation	No	_,Soil	No	or Hydrology	No	natur	rally problem	atic?		(If needed,	explain any ans	vers in Rem	arks.)	
SUMMARY OF	FIND	NGS	Atta	ch site map	showi	ng sa	ampling p	oint	location	s, transe	cts, importa	ant featu	res,	etc.

Hydrophytic Vegetation Present?	Yes X	No		
Hydric Soil Present?	Yes X	No	Is the Sampled Area	
Wetland Hydrology Present?	Yes X	No	within a Wetland?	Yes X No
Remarks:				
This point was determined to be	within a wetland due	e to the presence of a	ll 3 wetland criteria.	
HYDROLOGY				
Wetland hydrology Indicators	:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of	one is required; cheo	k all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	_	Aquatic Fauna	(B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)		Marl Deposits (B15) (LRR U)	Drainage Patterns (B10)
X Saturation (A3)	_	Hydrogen Sulfi	de Odor (C1)	Moss Trim Lines (B16)
Water Marks (B1)	_	X Oxidized Rhizo	spheres on Living Roots(C3)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	-	Presence of Re	duced Iron (C4)	Crayfish Burrows (C8)
Drift Deposits (B3)	-		duction in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	-	Thin Muck Surf	face (C7)	Geomorphic Position (D2)

Iron Deposits (B5 Inundation Visible Water-Stained Le	, e on Aerial Imag	ery (B7)		Other (Explain in Remarks)	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Field Observations:					
Surface Water Present?	Yes	No	Х	Depth (inches): N/A	
Water Table Present?	Yes	No	Х	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes X	No		Depth (inches): 0-16	Wetland Hydrology Present? Yes X No

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

Remarks:

A positive indication of wetland hydrology was observed (at least one primary indicator).

Sampling Point:

SL6

				Dominance Test worksheet:		
	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: <u>30 ft.</u>)	% cover	Species?	Status	Number of Dominant Species		
1. Liquidambar styraciflua	50	Yes	FAC	That Are OBL, FACW, or FAC:	4	(A)
2						
3				Total Number of Dominant		(D)
4			<u> </u>	Species Across All Strata:	4	(B)
5			<u> </u>			
6				Percent of Dominant Species	4000/	
500/ 51 /		= Total Cover	10	That Are OBL, FACW, or FAC:	100%	(A/B)
50% of tota	al cover: 25	20% of total cover:	10	Prevalence Index Worksheet:		
Sapling Stratum (Plot size: <u>30 ft.</u>)	10	Yes	FAC	Total % Cover of:	Multiply by:	
1. Carpinus caroliniana	<u>10</u> 10		FAC			
2. <u>Triadica sebifera</u>		Yes	FAC	OBL species 50 FACW species 5		
3				FACW species 5 FAC species 75	x3 = 225	
4				FACU species 0	x = 223 x = 0	
5				UPL species 0	x = 0 x = 0	
6		= Total Cover		Column Totals: 130	(A) 285	(P)
		20% of total cover:	1	Column rotais. 130	(A) <u>205</u>	(B)
	al cover: <u>10</u>		4	Prevalence Index = B/A =	2.19	
A None Observed				Flevalence index – D/A –	2.19	
				Hydrophytic Vegetation Indicato	re :	
2				1 - Rapid Test for Hydrop		
3				X 2 - Dominance Test is >5		
4				X 3 - Prevalence Index is ≤		
5				Problematic Hydrophytic		
6		- Tatal Causa			vegetation (Explain)	
EQ% of tota		= Total Cover 20% of total cover:		¹ Indicators of hydric soil and wetla	nd hydrology must	
Herb Stratum (Plot size: 30 ft.)				be present, unless disturbed or pro	, .,	
1. Leersia oryzoides	50	Yes	OBL	Definitions of Five Vegetation St		
2. Campsis radicans	<u></u> 5	No	FAC	Tree - Woody plants, excluding w		
3. Arundinaria gigantea	5	No	FACW	approximately 20 ft (6m) or more in	-	
			1401	(7.6 cm) or larger in diameter at br	-	
45					east height (DDH).	
5				Sapling - Woody plants, excluding	woody vines,	
67				approximately 20 ft (6 m) or more i	-	
7				than 3 in. (7.6 cm) DBH.	5	
8 9.		·				
9				Shrub - Woody plants, excluding v	woody vines,	
11.				approximately 3 to 20 ft (1 to 6 m)	in height.	
····	60	= Total Cover			-	
50% of tota		20% of total cover:	12	Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size: 30 ft.				herbaceous vines, regardless of si	ze, <u>and</u> woody	
1. None Observed	/			plants, except woody vines, less th	an approximately	
2				3 ft (1 m) in height.		
3						
4				Woody vine - All woody vines, reg	ardless of height.	
5.						
0		= Total Cover		Hydrophytic		
50% of tota	al cover:			Vegetation		
				Present? Yes X	No	
Remarks: (if observed, list morphological a	adaptations below)					
	. ,					
A positive indication of hydrophytic vegetati	ion was observed (>50% of dominant sp	pecies indexe	ed as OBL, FACW, or FAC).		
A positive indication of hydrophytic vegetati	ion was observed (Prevalence Index is s	≤ 3.00).			

SOIL

Color (moist) % Color (moist) % Type ¹ Loc ² Texture Remarks 0-8 10YR 4/2 80 10YR 5/6 15 C M Sitt loam	epth	Matrix			Redox F	eatures			
0-8 10YR 4/2 80 10YR 5/6 15 C M Silt loam 8-16 10YR 5/4 55 10YR 4/6 40 C M Silt loam	nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
8-16 10YR 5/6 5 C PL 8-16 10YR 5/4 55 10YR 4/6 40 C M Silt loam with the second seco							М	Silt loam	
8-16 10YR 5/4 55 10YR 4/6 40 C M Sitt loam 9-16 10YR 5/1 5 D M Sitt loam ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. ype: C=Concentration, D=Depletion, RM=Reduced Matrix (F3) Indicators for Problematic Hydric Soils*: Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 2 or Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (MLRA 150A) Organic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F11) (MLRA 151) Other (Explain in Remarks) Depleted Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) andicators of hydrophyl						С	PL		
Image: Stratified Layers (A5) Image: Stratified Layer (A5)	8-16	10YR 5/4	55					Silt loam	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histocol (A1) Polyvalue Below Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histocol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Stratified Layers (A5) X Depleted Dark Surface (F6) (MLRA 153B) Stratified Layers (A5) X Depleted Dark Surface (F7) Red Parent Material (F1) Muck Presence (A8) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (F12) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Redox (S5) Della Ochric (F12) (MLRA 150A, 150B) 3 ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed (S1) (LRR P, S, T, U) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Sandy Redox (S5) Sandy Redox (S5) Piedmont									
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic C(A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, 150A) Stratified Layers (A5) X Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, 7) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck Mineral (A1) Depleted Ochric (F11) (MLRA 151) Strot (ER P, T, U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Chric (F17) (MLRA 151) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S4) Reduced Vertic (F18) (MLRA 150A, 150B) A nomalous Brigh				10110 3/1					
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic C(A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, 150A) Stratified Layers (A5) X Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, 7) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck Mineral (A1) Depleted Ochric (F11) (MLRA 151) Strot (ER P, T, U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Chric (F17) (MLRA 151) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S4) Reduced Vertic (F18) (MLRA 150A, 150B) A nomalous Brigh									
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic C(A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, 150A) Stratified Layers (A5) X Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, 7) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck Mineral (A1) Depleted Ochric (F11) (MLRA 151) Strot (ER P, T, U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Chric (F17) (MLRA 151) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S4) Reduced Vertic (F18) (MLRA 150A, 150B) A nomalous Brigh								<u> </u>	
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Stratified Layers (A5) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck (A9) (LRR P, T) Muck (A8) (LRR P, T) Marl (F10) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Other (Explain in Remarks) Depleted Below Dark Surface (A12) Iton-Manganese Masses (F12) (LRR O, P, T) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F11) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Stripped Matrix (S6) P	ype: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, M	S=Masked	Sand Grains.	² Location: F	PL=Pore Lining, M=Matr	ix.
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) Red Parent Material (TF2) Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck (A9) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 ¹ ndicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) papth (inches): Hyd	ydric Soils	Indicators: (Appli	cable to all	LRRs, unless oth	erwise no	ted.)			
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T Stratified Layers (A6) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Soils (F20) (MLRA 149A) Soils (F20) (MLRA 149A) Depth (inches): More (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A) Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A), 153C, 153D) Depth (inches): No <	Histoso	l (A1)		Polyva	lue Below \$	Surface (S8) (Ll	RR S, T, U)	1 cm Muck (A9) (LRR O)
Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Sandy Redox (S5) Stripped Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Dark Surface (S7) (LRR P, S, T, U) Manomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No	Histic E	pipedon (A2)		Thin D	ark Surface	e (S9) (LRR S , ⁻	Γ, U)	2 cm Muck (A1	0) (LRR S)
Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Sandy Redox (S5) Stripped Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Dark Surface (S7) (LRR P, S, T, U) Manomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No	Black H	listic (A3)		Loamy	Mucky Mir	neral (F1) (LRR	0)	Reduced Vertic	(F18) (outside MLRA 150A,E
Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) alidicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (If observed): Type: Yes X No Type:					-		,		, , , ,
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:					-	. ,			
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Mucky Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) 3Indicators of public or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No Strippet Muck (inches): Type: No Depth (inches): No			וו ד כ						
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No Type:		. , .							tarial (TE2)
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) 3 ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) sturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) sturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) bark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:									, ,
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No			-		•	. ,		·	()
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) vetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Hydric Soil Present? Yes X No No marks: Hydric Soil Present? Yes X No No No								Other (Explain	in Remarks)
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) etamotic (F17) (MLRA 149A) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Type: Hydric Soil Present? Yes X No Depth (inches): X No Model Science (Science) Type: Yes X No Yes X No	Deplete	ed Below Dark Surfac	ce (A11)						
Coast Frame Reduce (R10) (INERCR 150A)		()			anganese I	Masses (F12) (LRR O, P, T)		
Sandy Mucky Mineral (S1) (LRR O, S)Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4)Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5)Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6)Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): memarks:	Coast P	Prairie Redox (A16) (MLRA 150A	A) Umbrid	: Surface (I	F13) (LRR P, T ,	U)		
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Type: Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) emarks: Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D)	Sandy M	Mucky Mineral (S1) ((LRR O, S)	Delta C	Ochric (F17) (MLRA 151)		disturbed or p	roblematic.
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Type: Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) emarks: Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D)	Sandy (Gleyed Matrix (S4)		Reduce	ed Vertic (F	-18) (MLRA 15)A, 150B)		
Stripped Matrix (S6)							-		
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No emarks:	-				-			9A 153C 153D)	
estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No emarks:		()	o T III	Anoma	ious Drigin	Loanty Jons (1		5A, 1550, 155D)	
	Type:						Hydr	ic Soil Present? Ves	X No
positive indication of hydric soil was observed.	Type:						Hydr	ic Soil Present? Yes	X No
	Type: Depth (in						Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in emarks:	iches):	l was observ	//ed.			Hydr	ic Soil Present? Yes	No
	Type: Depth (in emarks:	iches):	l was observ	ved.			Hydr	ic Soil Present? Yes	X No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in emarks:	iches):	l was observ	/ed.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	XNo
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	X No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	X No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in emarks:	iches):	l was observ	ved.			Hydr	ic Soil Present? Yes	No
	Type: Depth (in emarks:	iches):	l was observ	/ed.			Hydr	ic Soil Present? Yes	No
	Type: Depth (in emarks:	iches):	l was observ	/ed.			Hydr	ic Soil Present? Yes	No
	Type: Depth (in emarks:	iches):	l was observ	/ed.			Hydr	ic Soil Present? Yes	No
	Type: Depth (in emarks:	iches):	l was observ	/ed.			Hydr	ic Soil Present? Yes	No
	Type: Depth (in emarks:	iches):	l was observ	/ed.			Hydr	ic Soil Present? Yes	No
	Type: Depth (in emarks:	iches):	l was observ	/ed.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in cemarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in cemarks:	iches):	l was observ	/ed.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	<u>X</u> No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	No
	Type: Depth (in emarks:	iches):	l was observ	red.			Hydr	ic Soil Present? Yes	XNo
	Type: Depth (in emarks:	iches):	l was observ	/ed.			Hydr	ic Soil Present? Yes	No

Project/Site:			Harv	/ey Site			Parish:		West Felic	ana	Sampling D	Date:	March	8, 2018	
Applicant/Owner:			Ba	aton Rouge Area	Chambe	er		Sta	ate:	Louisiana	Sample Po	pint:	S	SL7	
Investigator(s):	Т. 3	Simone	aux	and	O. Barr	ту	Section, T	ownsh	ip, Range:	Sect	ion 43, Towns	hip 4 South,	Range	e 2 West	
Landform (hillslope, to	errace, e	etc.):		Hillslope			Local relie	ef (cond	cave, convex,	none):	Convex	Slope (%):		0-5	
Subregion (LRR or M	ILRA):			LRR P			Lat:	30.7	730949°	Long:	-91.311241°	Datum	:	NAD83	
Soil Map Unit Name:					#N	I/A				NWI C	lassification:		Non	е	
Are climatic / hydrolog	gic cond	litions o	n the sit	e typical for this	time of ye	ear?	(Yes / No)	Yes	(if no, e	explain in Rem	arks.)			
Are Vegetation	No	_,Soil	No	or Hydrology	No	signifi	icantly distu	urbed?	Are "Norma	al Circumsta	ances" present	? Yes	Х	No	
Are Vegetation	No	_,Soil	No	or Hydrology	No	natura	ally problen	natic?	(If needed, e	xplain any ans	swers in Rem	arks.)		
		NGS	Atta	ch sito man	ebowi	ina ea	molina	noint	locations	tranco	ste import	tant foatu	roe	oto	

Hydrophytic Vegetation Prese		<u>X</u>								
Hydric Soil Present?					x		pled Area			
Wetland Hydrology Present?	Yes			No _	X	within a V	/etland?	Yes	No	X
Remarks:										
This point was determined	I not to be with	in a wet	land du	ie to the	lack of hydr	ic soils and we	tland hydrology			
IYDROLOGY										
Wetland hydrology Indic	ators:							Secondary Indicate	ors (minimum of	two required)
Primary Indicators (minim	um of one is re	quired;	check a						Cracks (B6)	
Surface Water (A1)				_	tic Fauna (E				getated Concave	e Surface (B8)
High Water Table (42)			_		15) (LRR U)		Drainage Pa	itterns (B10)	
Saturation (A3)				_ Hydro	ogen Sulfide	e Odor (C1)		Moss Trim L	ines (B16)	
Water Marks (B1)				Oxidi	zed Rhizosp	pheres on Livir	ig Roots(C3)	Dry-Season	Water Table (C	2)
Sediment Deposits	(B2)			Prese	ence of Red	uced Iron (C4)		Crayfish Bur	rows (C8)	
Drift Deposits (B3)				Rece	nt Iron Redu	uction in Tilled	Soils (C6)	Saturation V	isible on Aerial I	magery (C9)
Algal Mat or Crust (B4)			Thin	Muck Surfa	ce (C7)		Geomorphic	Position (D2)	
Iron Deposits (B5)				Other	r (Explain in	Remarks)		Shallow Aqu	iitard (D3)	
Inundation Visible of	n Aerial Image	ry (B7)						FAC-Neutral	l Test (D5)	
Water-Stained Leav	ves (B9)							Sphagnum r	moss (D8) (LRR	T, U)
Field Observations:										
Surface Water Present?	Yes	No _	Х	De	pth (inches)	: N/A				
Nater Table Present?	Yes	No _	Х	De	pth (inches)	: >20				
Saturation Present? (includes capillary fringe)	Yes	No	х	De	pth (inches)	: <u>>20</u>	Wetland H	ydrology Present?	Yes	_ No <u>X</u>
Describe Recorded Data	stream gauge,	monito	ring we	ll, aerial	photos, pre	vious inspectio	ns), if available:			
Remarks:										

Sampling Point:

SL7

		Absolute	Dominant	Indicator	Dominance Test wo	rksheet:			
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominant Species				
1. Liriodendron tulipifera		50	Yes	FACU	That Are OBL, FACW, or FAC:		ε	3	(A)
2. Quercus texana		20	Yes	FACW					
3. Quercus nigra		10	No	FAC	Total Number of Dominant				
4. Liquidambar styraciflua		5	No	FAC	Species Across All Strata:		1	0	(B)
5. <u>Carpinus caroliniana</u>		2	No	FAC					
6			<u> </u>		Percent of Dominant S	Species			
		87	= Total Cover		That Are OBL, FACW	, or FAC:	80	%	(A/B)
	50% of total cover:	43.5	20% of total cover:	17.4					
Sapling Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index W	orksheet:			
1. Carpinus caroliniana		10	Yes	FAC Total % Cover of: Multiply by:					
2. Ostrya virginiana		5	Yes	FACU	OBL species	0	x 1 =	0	
3					FACW species	20	x 2 =	40	
4					FAC species	112	x 3 =	336	
5					FACU species	55	x 4 =	220	
6					UPL species	0	x 5 =	0	
		15	= Total Cover		Column Totals:	187	(A)	596	(B)
	50% of total cover:	7.5	20% of total cover:	3					
Shrub Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index = B/A =			3.19	
1. <i>llex vomitoria</i>		20	Yes	FAC					
2					Hydrophytic Vegetat	tion Indicato	rs:		
3			·		1 - Rapid Test for Hydrophytic Vegetation		tation		
4			<u> </u>		X 2 - Dominance Test is >50%				
5			·		3 - Prevalence Index is $≤ 3.0^1$				
6			·		Problematic	Hydrophytic V	Vegetation	¹ (Explain)	
		20	= Total Cover						
	50% of total cover:	10	20% of total cover:	4	¹ Indicators of hydric s	¹ Indicators of hydric soil and wetland hydrology must			
Herb Stratum (Plot size:				be present, unless dis	sturbed or pro	blematic.			
1. <i>Ilex vomitoria</i>		20	Yes	FAC	Definitions of Five V	egetation St	rata:		
2. Toxicodendron radicans		20	Yes	FAC	Tree - Woody plants,	excluding wo	oody vines	,	
3					approximately 20 ft (6	m) or more in	height an	d 3 in.	
4			·		(7.6 cm) or larger in d	iameter at bre	east height	: (DBH).	
5									
6					Sapling - Woody plan		•		
7			·		approximately 20 ft (6 m) or more in height and less				
8					than 3 in. (7.6 cm) DE	BH.			
9			<u> </u>						
10			<u> </u>		Shrub - Woody plants	, 0	,	s,	
11			<u> </u>		approximately 3 to 20	ft (1 to 6 m) i	n height.		
		40	= Total Cover						
	50% of total cover:	20	20% of total cover:	8	Herb - All herbaceous		•	•	
Woody Vine Stratum (Plot size: <u>30 ft.</u>)					herbaceous vines, regardless of size, and woody				
1. Vitis rotundifolia		10	Yes	FAC	plants, except woody vines, less than approximately				
2. Smilax bona-nox		10	Yes	FAC	3 ft (1 m) in height.				
3. Bignonia capreolata		5	Yes	FAC					
4.					Woody vine - All woo	dy vines, reg	ardless of	height.	
5.									
		25	= Total Cover		Hydrophytic				
			•						
	50% of total cover:	12.5	20% of total cover:	5	Vegetation				

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC).

epth	Matrix			Redox I	Features			
nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 5/4	100	None	_	_	_	Silt loam	
8-16	10YR 4/4	100	None	_			Silt loam	
0 10	1011(4/4	100						
vpe C=Co	ncentration D=Den	letion RM=	Reduced Matrix, M	S=Masked	Sand Grains	² Location: P	L=Pore Lining, M=Matr	x
			LRRs, unless oth			Ecodion. 1		lematic Hydric Soils ³ :
-			-		•			•
Histosol	. ,				Surface (S8) (LI		1 cm Muck (A9	
	oipedon (A2)				e (S9) (LRR S , ⁻		2 cm Muck (A1	
Black Hi	stic (A3)		Loamy	Mucky Mi	neral (F1) (LRR	O)	Reduced Vertic	(F18) (outside MLRA 150A,
Hydroge	n Sulfide (A4)		Loamy	Gleyed Ma	atrix (F2)		Piedmont Floor	Iplain Soils (F19) (LRR P, S, 1
Stratified	Layers (A5)		Deplet	ed Matrix (F3)		Anomalous Brid	ht Loamy Soils (F20)
	Bodies (A6) (LRR I	РΤΙΙ		Dark Surfa	•		(MLRA 153B)	
-							· · ·	torial (TE2)
	cky Mineral (A7) (L				urface (F7)		Red Parent Ma	()
	esence (A8) (LRR I			Depressio				ark Surface (TF12)
1 cm Mu	ick (A9) (LRR P, T)		Marl (F	10) (LRR	U)		Other (Explain	in Remarks)
Depleted	l Below Dark Surfac	ce (A11)	Deplete	ed Ochric ((F11) (MLRA 15	51)		
Thick Da	ark Surface (A12)		Iron-Ma	anganese l	Masses (F12) (LRR O, P, T)	³ Indicators of	hydrophytic vegetation and
Coast P	airie Redox (A16) (MLRA 1504	A) Umbrid	: Surface (F13) (LRR P, T,	U)	wetland hydro	logy must be present, unless
	lucky Mineral (S1)		·	•) (MLRA 151)	-,	disturbed or p	roblematic.
		(LINICO, O)		•	, ,			
	leyed Matrix (S4)				F18) (MLRA 15			
	edox (S5)				lain Soils (F19)			
Stripped	Matrix (S6)		Anoma	lous Brigh	t Loamy Soils (F	20) (MLRA 149	9A, 153C, 153D)	
Dark Su	rface (S7) (LRR P,	S. T. U)						
estrictive L Type:								
Type:	ayer (if observed)					Hydri	c Soil Present? Yes	No X
Type: Depth (ind						Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind						Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	No <u>X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>
Type: Depth (ind	hes):					Hydri	c Soil Present? Yes	<u>No X</u>

Project/Site:							Parish:		West Felici	ana	Sampling D	ate: N	March	8, 2018
Applicant/Owner:	· · · · · · · · · · · · · · · · · · ·							Sta	ate:	Louisiana	Sample Po	int:	S	L8
Investigator(s):	vestigator(s): T. Simoneaux and					/	Section, T	ownshi	ip, Range:	Section 43, Township 4 South,			Range 2 West	
andform (hillslope, terrace, etc.):				Plain			Local relie	f (conc	cave, convex,	none):	None	Slope (%):		0-5
Subregion (LRR or M	ubregion (LRR or MLRA):			LRR P			Lat:	30.7	729411°	Long:	-91.309102°	Datum:		NAD83
Soil Map Unit Name:					#N/	A				NWI Classification:			None	
Are climatic / hydrolog	re climatic / hydrologic conditions on the site typical for this time of year				ar?	(Yes / No))	Yes	(if no, e	xplain in Rema	arks.)			
Are Vegetation	No	_,Soil	No	or Hydrology	No	_sign	ificantly distu	rbed?	Are "Norma	al Circumsta	nces" present	? Yes	Х	No
Are Vegetation	No	_,Soil	No	_,or Hydrology	No	natu	rally problem	atic?	(lf needed, e	xplain any ans	wers in Rema	arks.)	

ydrophytic Vegetation Present? ydric Soil Present? /etland Hydrology Present?	Yes <u>X</u> Yes <u></u> Yes X		No No No	Is the Sampled within a Wetla		Yes	No	<u>x</u>
emarks: This point was determined not to	be within a we	etland du	ue to the lack of hydric	soils.				
YDROLOGY								
Wetland hydrology Indicators Primary Indicators (minimum of		; check a	all that apply)		<u>:</u>	Secondary Indicator Surface Soil (f two required)
Surface Water (A1)			Aquatic Fauna (B1	•	-			e Surface (B8)
High Water Table (A2)			Marl Deposits (B15		-	Drainage Pat	, ,	
X Saturation (A3)					-	Moss Trim Li	. ,	
Water Marks (B1)				0	ots(C3)		Vater Table (C	:2)
Sediment Deposits (B2)				. ,	-	Crayfish Burr	. ,	
Drift Deposits (B3)			Recent Iron Reduc		(C6) _		sible on Aerial	Imagery (C9)
Algal Mat or Crust (B4)			Thin Muck Surface		-	Geomorphic I	. ,	
Iron Deposits (B5)			Other (Explain in F	(emarks)	-	Shallow Aqui	. ,	
Inundation Visible on Aeri					-	FAC-Neutral	. ,	
Water-Stained Leaves (B	9)				-	Sphagnum m	ioss (D8) (LRR	ε Τ, U)
ield Observations:								
	No			N/A				
	No			>20				
aturation Present? Yes _ ncludes capillary fringe)	X No _		Depth (inches):	<u>0-16</u> V	Vetland Hydro	ology Present?	Yes <u>X</u>	No
Describe Recorded Data (strear	n gauge, monito	oring we	ll, aerial photos, previ	ous inspections), i	f available:			
emarks:								
A positive indication of wetland I	nydrology was o	bserved	d (at least one primary	indicator).				
,	, <u>.</u> ,		(p	,-				

					Dominance Test w	orkshoot:			
T 01 1 (D) 1 :	00 fr)	Absolute	Dominant	Indicator					
Tree Stratum (Plot size:	<u>30 ft.</u>)	% cover	Species?	Status	Number of Dominar		_		<i></i>
1. Liquidambar styraciflua		30	Yes	FAC	That Are OBL, FAC	W, or FAC:	5		(A)
2. Ostrya virginiana		20	Yes	FACU					
3. <u>Carpinus caroliniana</u>	<u> </u>	20	Yes	FAC	Total Number of Do				
4. Platanus occidentalis	<u> </u>	10	No	FACW	Species Across All	Strata:	6		(B)
5. Fagus grandifolia		10	No	FACU					
6					Percent of Dominar	t Species			
			= Total Cover		That Are OBL, FAC	W, or FAC:	83%		(A/B)
	50% of total cover:	45	20% of total cover:	18					
Sapling Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index	Worksheet:			
1. Halesia diptera		25	Yes	FAC	Total % (Cover of:	Mu	ultiply by:	
2			. <u> </u>		OBL species	30	x 1 =	30	
3					FACW species	10	x 2 =	20	
4					FAC species	125	x 3 =	375	
5.					FACU species	30	x 4 =	120	
6.					UPL species	0	x 5 =	0	
		25	= Total Cover		Column Totals:	195	(A)	545	(B)
	50% of total cover:	12.5	20% of total cover:	5	-				``
Shrub Stratum (Plot size:	30 ft.)				Prevalence	e Index = B/A =		2.79	
1. None Observed	/								
2	<u> </u>				Hydrophytic Vege	tation Indicator	·s ·		
						Test for Hydroph		tion	
3						ance Test is >50		lion	
4			·			ence Index is ≤ 3			
5			·					(F	
6	<u> </u>		Tatal Quarter			ic Hydrophytic \	regetation ((⊏xpiain)	
	500/ 51 / 1		= Total Cover		1				
			20% of total cover:		'Indicators of hydrid			must	
Herb Stratum (Plot size:	<u>30 ft.</u>)				be present, unless				
1. Ligustrum sinense		40	Yes	FAC	Definitions of Five	-			
2. Thelypteris palustris	<u> </u>	30	Yes	OBL	Tree - Woody plan	-	-		
3. <u>Halesia diptera</u>	<u> </u>	10	No	FAC	approximately 20 ft	. ,	•		
4			·		(7.6 cm) or larger in	diameter at bre	ast height (l	DBH).	
5			·						
6					Sapling - Woody p		2		
7					approximately 20 ft		height and	less	
8			. <u> </u>		than 3 in. (7.6 cm) I	OBH.			
9									
10.					Shrub - Woody pla	nts, excluding w	oody vines,		
11.					approximately 3 to 2	20 ft (1 to 6 m) ir	n height.		
		80	= Total Cover						
	50% of total cover:	40	20% of total cover:	16	Herb - All herbaced	us (non-woody)	plants, incl	uding	
Woody Vine Stratum (Plot size:	30 ft.)				herbaceous vines, r	egardless of siz	e, <u>and</u> wood	ły	
1. None Observed					plants, except wood	y vines, less that	an approxim	ately	
	<u> </u>				3 ft (1 m) in height.				
2			·		· · · · · ·				
3			· · · · · · · · · · · · · · · · · · ·		Woody vine - All w	oodv vines rea	ardless of he	eiaht	
4			·			,			
5	<u> </u>								
			= Total Cover		Hydrophytic				
	50% of total cover:		20% of total cover:		Vegetation				
					Present?	Yes X	No		
Remarks: (if observed, list mo	rphological adaptatio	ons below).							
A positive indication of hydroph	nytic vegetation was	observed (>50% of dominant s	pecies indexe	ed as OBL. FACW. or FA	NC).			
,	, , ,				· , · · · · · , · · · ·	,			
A positive indication of hydroph	nytic vegetation was	observed (Prevalence Index is a	≤ 3.00).					

Color (moist) % Type1 Loc2 Texture Remarks 0-16 10YR 4/4 100 None — — — Silt loam 0-16 10YR 4/4 100 None — — — Silt loam 0 10YR 4/4 100 None — — — Silt loam 0	epth Matrix	needed to document the indicator or confirm Redox Features		,,	
0-16 10YR 4/4 100 None	opar		Loc ²	Texture	Remarks
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: Histic Soils (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR P) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, ' Organic Bocies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Stratified Layers (A5) Depleted Dark Surface (F6) (MLRA 153B) Organic Bocies (A6) (LRR P, T, U) Redox Depressions (F2) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Bolow Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR O, S) Dellat Ochric (F11) (MLRA 150A) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F20) (MLRA 149A) StiupPed Matrix (S4) Sandy Mucky Mineral (S1) (Remarks
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, * Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Cohric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 15	0-10 1011(4/4 100			Shi loan	
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, * Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Cohric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 15				·	
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, * Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Cohric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 15					
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ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, * Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Cohric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 15					
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, * Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Cohric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 15				·	
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, * Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Cohric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 15				<u> </u>	
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histoc Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (MLRA 150A, 150B) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Stratified Layer (if observed): Type: Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X No X					
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Suffide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, * Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F7) Red Parent Material (TF2) Muck Vineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 ¹ ndicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Loamy Soils (F20) (MLRA 149A, 153C, 153D) petht (inches): Hydric Soil Present?	ydric Soils Indicators: (Applicable to all L	_RRs, unless otherwise noted.)	Ir	dicators for Probl	lematic Hydric Soils":
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A, 150A, 153C, 153D) Black Histic (A3) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, 7) Stratified Layers (A6) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (If observed): Type: Muck (S0) No X Type:	Histosol (A1)	Polyvalue Below Surface (S8) (LRR	S, T, U)	1 cm Muck (A9)) (LRR O)
Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) Anomalous Bright Loamy Soils (F20) f Crance Godies (A6) (LRR P, T, U) Redox Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S4) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Destrictive Layer (if observed): Type: No X Type:	Histic Epipedon (A2)	Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10	0) (LRR S)
Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) Anomalous Bright Loamy Soils (F20) f Crance Godies (A6) (LRR P, T, U) Redox Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S4) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Destrictive Layer (if observed): Type: No X Type:	Black Histic (A3)	Loamy Mucky Mineral (F1) (LRR O)		Reduced Vertic	(F18) (outside MLRA 150A.
Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) alidicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) alidicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Stripped Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:			_		
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A) Delta Ochric (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type: Depth (inches): No X emarks: Hydric Soil Present? Yes No X			—		
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:					Int Loamy Solis (F20)
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X eemarks: Hydric Soil Present? Yes No X	e () () ()	Redox Dark Surface (F6)		(MLRA 153B)	
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR O, P, T) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X eemarks: Hydric Soil Present? Yes No X	5 cm Mucky Mineral (A7) (LRR P, T, U)	Depleted Dark Surface (F7)		Red Parent Mat	terial (TF2)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR O, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X	Muck Presence (A8) (LRR U)	Redox Depressions (F8)		Very Shallow D	ark Surface (TF12)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR O, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X	1 cm Muck (A9) (LRR P, T)	Marl (F10) (LRR U)		Other (Explain i	n Remarks)
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type: No X marks: Hydric Soil Present? Yes No X			_		,
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) No X emarks: Hydric Soil Present? Yes No X				³ Indicators of h	avdrophytic vegetation and
Codest Fraine Reduced (R10) (IRR R 150A)			(O, F, T)		, , , ,
Sandy Mucky Mineral (ST) (LRR O, S)					
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Piedmont Floodplain Soils (F19) (MLRA 149A, 153C, 153D) Depth (inches): Hydric Soil Present? Yes No X	Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochric (F17) (MLRA 151)		,	
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Sandy Gleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 150A,	150B)		
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Mo X emarks:	Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (ML	RA 149A)		
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Mo X emarks:	Stripped Matrix (S6)	Anomalous Bright Loamy Soils (F20)	(MLRA 149A, 1	53C, 153D)	
estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X		3 , ()	,	, ,	
emarks:					
	Denth (inches):		Hydric So	il Present? Yes	No <u>X</u>
o positive indication of hydric soils was observed.			-		
	emarks:				

Project/Site:							Parish:		West Felici	ana	Sampling D	ate: N	March	8, 2018
Applicant/Owner:	¥							Sta	ite:	Louisiana	Sample Po	int:	S	L9
Investigator(s):	/estigator(s): T. Simoneaux and (,	Section, Township, Range:			Section 43, Township 4 Sout			h, Range 2 West	
andform (hillslope, terrace, etc.):				Plain			Local relie	f (cond	cave, convex,	none):	None	Slope (%):		0-5
Subregion (LRR or M	ubregion (LRR or MLRA):			LRR P			Lat:	30.7	731133°	Long:	-91.310442°	Datum:		NAD83
Soil Map Unit Name:					#N/	A				NWI C	lassification:		None	;
Are climatic / hydrolog	e climatic / hydrologic conditions on the site typical for this time of year?				ar?	(Yes / No))	Yes	(if no, e	explain in Rema	arks.)			
Are Vegetation	No	_,Soil	No	or Hydrology	No	signi	ificantly distu	rbed?	Are "Norma	al Circumsta	ances" present?	? Yes	Х	No
Are Vegetation <u>No</u> ,Soil <u>No</u> ,or Hydrology <u>No</u> n				natu	rally problem	atic?	(lf needed, e	xplain any ans	wers in Rem	arks.)			

Remarks: This point was determined not to be within a wetland due to the lack of hydric soils. Wetland hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (I High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) X Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxid/zed Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C2) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3) FAC-Neutral Test (D5) Water Table Present? Yes No X Depth (inches): <u>>20</u> Statration Present? Yes No X Depth (inches): <u>>20</u> Statration Present? Yes No X Depth (inches): <u>>20</u> St	Hydrophytic Vegetation Present? Hydric Soil Present?	Yes X Yes	_	No No No	Is the Sample		Yee	Na	v
This point was determined not to be within a wetland due to the lack of hydric soils. YPROLOCY Wetland hydrology Indicators: Secondary Indicators (minimum of two requires) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (I High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Ssason Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C3) Hundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Geomorphic Position (D2) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Yeld Observations: No Depth (inches): NA Saturation Present? Yes No No No Saturation Present? Yes No Depth (inches): NA Saturation Present? Yes No Depth (inches): Yes No Describe Recorded Data (stream gauge, mo	veliand Hydrology Present?	res X		NO	within a wetia	ina r	tes	NO	<u> </u>
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Field Observations: Surface Water Present? Yes No X Depth (inches): N/A Water Table Present? Yes No X Depth (inches): >20 Saturation Present? Yes X No	Inundation Visible on Aeria	al Imagery (B7)				-	FAC-Neutral	Test (D5)	
Surface Water Present? Yes No X Depth (inches): N/A Vater Table Present? Yes No X Depth (inches): >20 Saturation Present? Yes X No	Water-Stained Leaves (B9))				-	Sphagnum m	loss (D8) (LRF	R T, U)
Water Table Present? Yes No X Depth (inches): >20 Saturation Present? Yes X No Depth (inches): 0-16 Wetland Hydrology Present? Yes X No includes capillary fringe) Depth (inches): 0-16 Wetland Hydrology Present? Yes X No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Remarks:	Field Observations:								
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Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:			Х	Depth (inches):	>20				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		X No		Depth (inches):	0-16	Wetland Hydro	ology Present?	Yes X	No
Remarks:	includes capillary fringe)								
	Describe Recorded Data (stream	n gauge, monito	ring wel	ll, aerial photos, prev	ious inspections),	if available:			
	Demonitor								
A positive indication of wetland hydrology was observed (at least one primary indicator).	Remarks:								
	A positive indication of wetland h	vdrology was o	bserved	l (at least one primary	v indicator)				
		yarology nao o			y maloator).				

Sampling Point:

SL9

		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominant Species		
1. Liquidambar styraciflua	<u> </u>	30	Yes	FAC	That Are OBL, FACW, or FAC:	5	(A)
2. Carpinus caroliniana		25	Yes	FAC	_ , _ , _		()
3. Prunus serotina		10	No	FACU	Total Number of Dominant		
4. Quercus nigra		10	No	FAC	Species Across All Strata:	6	(B)
5. Platanus occidentalis		5	No	FACW			()
6.					Percent of Dominant Species		
		80	= Total Cover		That Are OBL, FACW, or FAC:	83%	(A/B)
	50% of total cover:	40	20% of total cover:	16			()
Sapling Stratum (Plot size:					Prevalence Index Worksheet:		
1. Carpinus caroliniana		20	Yes	FAC	Total % Cover of:	Multiply by:	
2.					OBL species 0		
3.					FACW species 5		
4.					FAC species 130	x 3 = 390	
5.			·		FACU species 50	x 4 = 200	
6			·		UPL species 0	x5= 0	
		20	= Total Cover		Column Totals: 185	(A) 600	(B)
	50% of total cover:	-		4		(1)	(2)
Shrub Stratum (Plot size:	30 ft.)		2070 01 10101 00101.	<u> </u>	Prevalence Index = B/A =	3.24	
1. None Observed							
2					Hydrophytic Vegetation Indicate	rs:	
3			·		1 - Rapid Test for Hydrop		
4.			·		X 2 - Dominance Test is >5		
5					3 - Prevalence Index is ≤		
6					Problematic Hydrophytic		
···			= Total Cover			regetation (±/piani)	
	50% of total cover		20% of total cover:		¹ Indicators of hydric soil and wetla	nd hydrology must	
Herb Stratum (Plot size:			20,000,000,000,000,000,000,000,000,000,		be present, unless disturbed or pro-		
1. Lonicera japonica		40	Yes	FACU	Definitions of Five Vegetation St		
2. Ligustrum sinense		25	Yes	FAC	Tree - Woody plants, excluding w		
3. Chasmanthium sessiliflorum		20	Yes	FAC	approximately 20 ft (6m) or more in	-	
4					(7.6 cm) or larger in diameter at br	-	
5						saot noight (BBH).	
6					Sapling - Woody plants, excluding	woody vines,	
7					approximately 20 ft (6 m) or more i	n height and less	
8					than 3 in. (7.6 cm) DBH.	-	
9.							
9 10.					Shrub - Woody plants, excluding v	woody vines,	
11.					approximately 3 to 20 ft (1 to 6 m)	in height.	
····		85	= Total Cover			Ū	
	50% of total cover:		20% of total cover:	17	Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size:	30 ft.)	42.0	2070 01 10121 00001.	17	herbaceous vines, regardless of si	ze, and woody	
1. None Observed	<u> </u>				plants, except woody vines, less th	an approximately	
2.					3 ft (1 m) in height.	,	
			·				
3			· ·		Woody vine - All woody vines, reg	ardless of height.	
4			·			5	
5			= Total Cover		Hydrophytic		
	50% of total cover:		20% of total cover:				
					Vegetation Procent? Voc X	No	
					Present? Yes X	No	
Dementer (if the model is t	ala ala ata ata ata ata di seta				I		
Remarks: (if observed, list mor	priological adaptatio	nis delow).					
A positive indication of hydroph	ytic vegetation was	observed (>50% of dominant sp	ecies indexe	ed as OBL, FACW, or FAC).		

Color (moist) % Type ¹ Loc ² Texture Remarks 0-2 10YR 3/3 100 None	epth	Matrix			Redox F	eatures			
0-2 10YR 3/3 100 None	•		%	Color (moist)			l oc ²	Texture	Remarks
2:16 10YR 4/4 95 10YR 6/2 5 D M Silt loam									ronano
Ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Ypric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 2 cm Muck (A10) (LRR R) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Organic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F11) Other (Explain in Remarks) Depleted Bow Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Thick Dark Surface (S1) (LRR O, S) Delat Ochric (F13) (LRR P, T, U) 3 ¹ ndicators of hydrophylic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Redox (S5) Peletod Vertic (F18) (MLRA 150A, 150B) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Sardy Redox (S7) (LRR P, S, T, U) Deat Surface (S7) (LRR P, S, T, U) Dark Surface (S7) (LRR P, S, T, U) Extrict					<u> </u>				
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S8) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) 2 cm Muck (A0) (LRR S) Stratified Layers (A5) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (LRR P, S, * Stratified Layers (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Corbric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Reduced Vertic (F18) (MLRA 150A, 150B) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6)	2-16	10YR 4/4	95	10YR 6/2	5	D	M	Silt loam	
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Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) (MLRA 153B) 0 coparic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F6) (MLRA 153B) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) 0 bepleted Below Dark Surface (A11) Depleted Chric (F11) (MLRA 151) Thino-Manganese Masses (F12) (LRR O, P, T) 1 cm Muck (A9) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) and wetland hydrology must be present, unless disturbed or problematic. 2 sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F18) (MLRA 150A, 150B) anomalous Bright Loamy Soils (F20) (MLRA 149A) 3 stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)								Indicators for Prob	lematic Hydric Soils ³ :
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Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 6 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Tron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Gleved Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A) 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Estrictive Layer (if observed): No X Type:									
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Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X emarks: Emarks:		()	MLRA 150					wetland hydro	logy must be present, unless
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Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	-								
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Depth (inches): Hydric Soil Present? Yes No X	-	, ,			-				
estrictive Layer (if observed): Type: Depth (inches): NoX emarks:	Stripped	d Matrix (S6)		Anoma	lous Bright	Loamy Soils (F	20) (MLRA 149	9A, 153C, 153D)	
	estrictive I Type:	Layer (if observed)	:				Hvdri	c Soil Present? Yes	No X
o positive indication of hydric soils was observed.	estrictive I Type:	Layer (if observed)	:				Hydri	c Soil Present? Yes	No X
	estrictive I Type: Depth (in	Layer (if observed)	:				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	NoX
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	NoX
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	NoX
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	NoX
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	NoX
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	No <u>X</u>
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	NoX
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	NoX
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	NoX
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	NoX
	estrictive I Type: Depth (in emarks:	Layer (if observed)	: 				Hydri	c Soil Present? Yes	NoX

Project/Site:	· · ·						Parish:	West Feliciana		Sampling D	ate: N	larch 8	3, 2018	
Applicant/Owner:	· · · · · · · · · · · · · · · · · · ·							Sta	ite:	Louisiana Sample Poin		int:	t: SL10	
Investigator(s):	and	O. Barry	/	Section, Township, Range:			Secti	nip 4 South, F	4 South, Range 2 West					
andform (hillslope, terrace, etc.):				Plain			Local relie	f (conc	cave, convex,	none):	None	Slope (%):		0-5
Subregion (LRR or M	Subregion (LRR or MLRA):			LRR P			Lat:	30.7	730560°	Long:	-91.307144°	Datum:		NAD83
Soil Map Unit Name:					#N/	A				NWI CI	assification:		None	
Are climatic / hydrolog	gic cond	itions o	n the sit	e typical for this	time of ye	ar?	(Yes / No)		Yes	(if no, e	xplain in Rema	arks.)		
Are Vegetation	No	_,Soil	No	or Hydrology	No	sign	ificantly distu	rbed?	Are "Norma	al Circumsta	nces" present	? Yes	X	No
Are Vegetation No ,Soil No ,or H			or Hydrology	No	natu	rally problem	atic?	(lf needed, e	xplain any ans	wers in Rema	arks.)		

lydrophytic Vegetation Present? lydric Soil Present? Vetland Hydrology Present?	Yes X Yes Yes X		X Is the Sa	ampled Area Wetland?	Yes	No	x
Remarks:							
	he within a wate	nd due to the la	ale of hydria apilo				
This point was determined not to	be within a wetta		ick of flyand solls.				
YDROLOGY							
Wetland hydrology Indicators:					Secondary Indicato	ors (minimum of	f two required)
Primary Indicators (minimum of o	one is required; cl	neck all that app	oly)		Surface Soil	Cracks (B6)	
Surface Water (A1)			c Fauna (B13)		Sparsely Ve	getated Concav	ve Surface (B8)
High Water Table (A2)			eposits (B15) (LRR U)		Drainage Pa	tterns (B10)	
X Saturation (A3)			gen Sulfide Odor (C1)		Moss Trim L	ines (B16)	
Water Marks (B1)			ed Rhizospheres on Liv	e ()		Water Table (C	2)
Sediment Deposits (B2)			ice of Reduced Iron (C	,	Crayfish Bur	()	
Drift Deposits (B3)			t Iron Reduction in Tille	ed Soils (C6)		isible on Aerial	Imagery (C9)
Algal Mat or Crust (B4)			luck Surface (C7)		·	Position (D2)	
Iron Deposits (B5)		Other (Explain in Remarks)		Shallow Aqu	. ,	
Inundation Visible on Aeria	0,(,)				FAC-Neutral	()	
Water-Stained Leaves (B9	"				Spnagnum n	noss (D8) (LRF	(1,0)
Field Observations:							
	No		th (inches): N/A				
Vater Table Present? Yes	No	X Dep	th (inches): >20				
	X No	Dep	th (inches): 6-16	Wetland Hyd	rology Present?	Yes X	No
includes capillary fringe)							
Describe Recorded Data (stream	n gauge, monitorir	ng well, aerial p	notos, previous inspec	tions), if available:			
Remarks:							
A positive indication of wetland h	wdrology was obs	enved (at least	one primary indicator)				
A positive indication of wetland h	iyululogy was obs	erveu (ar least	one primary indicator).				

SL	10	
	. 10	

			•				
		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size:	<u>30 ft.</u>)	% cover	Species?	Status	Number of Dominant Species		
1. Liriodendron tulipifera		40	Yes	FACU	That Are OBL, FACW, or FAC:	4	(A)
2. Fagus grandifolia		25	Yes	FACU			
3. Ulmus americana		10	No	FAC	Total Number of Dominant		
4					Species Across All Strata:	6	(B)
5							
6					Percent of Dominant Species		
			= Total Cover		That Are OBL, FACW, or FAC:	67%	(A/B)
	50% of total cover:	37.5	20% of total cover:	15			
Sapling Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index Worksheet:		
1. Halesia diptera		20	Yes	FAC	Total % Cover of:	Multiply by	/:
2. <u>Carpinus caroliniana</u>		15	Yes	FAC	OBL species 0	x 1 = 0	
3					FACW species 0	x 2 = 0	
4					FAC species 80	x 3 = 240	
5					FACU species 65	x 4 = 260	
6					UPL species 0	x 5 = 0	
			= Total Cover	_	Column Totals: 145	(A) 500	(B)
		17.5	20% of total cover:	7			
Shrub Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index = B/A =	3.45	
1. None Observed							
2					Hydrophytic Vegetation Indicato		
3					1 - Rapid Test for Hydrop		
4					X 2 - Dominance Test is >5		
5					3 - Prevalence Index is ≤		, ,
6		·	T		Problematic Hydrophytic	Vegetation (Explain))
	500/ 51-1-1		= Total Cover		1		
Horb Stratum (Plot size:			20% of total cover:		¹ Indicators of hydric soil and wetla		
Herb Stratum (Plot size:		20	Yes	FAC	be present, unless disturbed or pro Definitions of Five Vegetation St		
		30	165	FAC	Tree - Woody plants, excluding w		
2					approximately 20 ft (6m) or more in	-	
3					(7.6 cm) or larger in diameter at br	-	
4 5					(7.0 cm) of larger in diameter at bit	sast height (DDH).	
					Sapling - Woody plants, excluding	woody vines,	
6 7					approximately 20 ft (6 m) or more i		
7 8					than 3 in. (7.6 cm) DBH.	C C	
9.							
10					Shrub - Woody plants, excluding v	voody vines,	
11					approximately 3 to 20 ft (1 to 6 m)	n height.	
		30	= Total Cover				
	50% of total cover:		20% of total cover:	6	Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size:					herbaceous vines, regardless of si	ze, <u>and</u> woody	
1. Vitis rotundifolia	,	5	Yes	FAC	plants, except woody vines, less th	an approximately	
2.					3 ft (1 m) in height.		
3.							
4.					Woody vine - All woody vines, reg	ardless of height.	
5							
		5	= Total Cover		Hydrophytic		
	50% of total cover:	2.5	20% of total cover:	1	Vegetation		
					Present? Yes X	No	
Remarks: (if observed, list mor	rphological adaptatio	ons below).					
A positive indication of hydroph	vtic vegetation was	observed (*	>50% of dominant er	necies indeve	ed as OBL_EACW_or EAC)		
	.,		so /s or dominant of				

nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 5/4	100	None	_			Silt loam	
ype: C=Co	ncentration, D=Dep	oletion, RM=F	Reduced Matrix, M	S=Masked	Sand Grains.	² Location: PL	=Pore Lining, M=Mat	
ydric Soils	Indicators: (Appli	icable to all I	LRRs, unless oth	erwise no	ted.)		Indicators for Prob	lematic Hydric Soils ³ :
Histosol	(A1)		Polyva	ue Below	Surface (S8) (Ll	RR S, T, U)	1 cm Muck (A9) (LRR O)
Histic Ep	oipedon (A2)		Thin D	ark Surfac	e (S9) (LRR S , ⁻	Γ, U)	2 cm Muck (A1	0) (LRR S)
Black His	stic (A3)		Loamy	Mucky Mi	neral (F1) (LRR	O)	Reduced Vertic	c (F18) (outside MLRA 150A,
Hydroge	n Sulfide (A4)		Loamy	Gleyed M	atrix (F2)		Piedmont Floo	dplain Soils (F19) (LRR P, S, '
	l Layers (A5)		Deplete	ed Matrix (F3)		Anomalous Bri	ght Loamy Soils (F20)
Organic	Bodies (A6) (LRR I	P, T, U)	Redox	Dark Surfa	ace (F6)		(MLRA 153B)	
5 cm Mu	cky Mineral (A7) (L	.RR P, T, U)			urface (F7)		Red Parent Ma	
Muck Pre	esence (A8) (LRR I	U)	Redox	Depressio	ns (F8)			oark Surface (TF12)
	ck (A9) (LRR P, T)			10) (LRR	-		Other (Explain	in Remarks)
-	Below Dark Surfac	ce (A11)			(F11) (MLRA 15	-	2	
	ark Surface (A12)			•	Masses (F12) (hydrophytic vegetation and blogy must be present, unless
	airie Redox (A16) (F13) (LRR P, T ,	U)	disturbed or p	
	lucky Mineral (S1)	(LRR O, S)			7) (MLRA 151)			
	ileyed Matrix (S4)				F18) (MLRA 15			
	edox (S5)				lain Soils (F19)			
	Matrix (S6)	-	Anoma	lous Brigh	t Loamy Solls (F	20) (MLRA 149	A, 153C, 153D)	
Dark Sur	face (S7) (LRR P,	S, I, U)						
Depth (inc	:hes):					Hydric	Soil Present? Yes	No <u>X</u>
emarks:								
o positive in	dication of hydric se	oils was obse	erved					
o positive in	dication of flydric s		ived.					

Project/Site:			Har	vey Site			Parish:		West Felic	ana	Sampling D)ate: N	March	8, 2018
Applicant/Owner:			Ba	aton Rouge Area	Chamber	-		Sta	ate:	Louisiana	a Sample Po	oint:	SL	_11
Investigator(s):	Τ.	Simonea	aux	and	O. Barry	/	Section, T	ownshi	ip, Range:	Sec	tion 41, Townsl	hip 4 South, I	Range	2 West
Landform (hillslope, to	errace, e	etc.):		Plain			Local relie	f (conc	cave, convex,	none):	None	Slope (%):		0-5
Subregion (LRR or M	LRA):			LRR P			Lat:	30.7	729393°	Long:	-91.306634°	Datum:		NAD83
Soil Map Unit Name:					#N/	A				NWIC	Classification:		None	•
Are climatic / hydrolog	gic conc	litions or	n the sit	te typical for this	time of ye	ar?	(Yes / No)	Yes	(if no, e	explain in Rema	arks.)		
Are Vegetation	No	_,Soil	No	or Hydrology	No	_sign	ificantly distu	irbed?	Are "Norma	al Circumsta	ances" present	? Yes	Х	No
Are Vegetation	No	,Soil	No	or Hydrology	No	natu	rally problem	atic?	(If needed, e	explain any ans	wers in Rem	arks.)	
			-											

Vetland Hydrology Present? Remarks: This point was determined not to		х	No	Is the Sampled Area within a Wetland?	Yes	No	х		
			<u> </u>						
This point was determined not to									
	be within	a wetland	due to the lack of hydri	c soils.					
YDROLOGY									
Wetland hydrology Indicators:					Secondary Indicate	ors (minimum of	f two required)		
Primary Indicators (minimum of o	ne is requ	uired; chec	11 27			Cracks (B6)			
Surface Water (A1)		_	Aquatic Fauna (B		Sparsely Ve	getated Concav	e Surface (B8)		
X High Water Table (A2) X Saturation (A3)			Marl Deposits (B1	5) (LRR U)	Drainage Pa	Drainage Patterns (B10)			
			Hydrogen Sulfide	Odor (C1)	Moss Trim L	Moss Trim Lines (B16)			
Water Marks (B1)			Oxidized Rhizosp	heres on Living Roots(C	3) Dry-Season	Water Table (C	;2)		
Sediment Deposits (B2)			Presence of Redu	ced Iron (C4)	Crayfish Bu	rows (C8)			
Drift Deposits (B3)			Recent Iron Redu	ction in Tilled Soils (C6)	Saturation V	isible on Aerial	Imagery (C9)		
Algal Mat or Crust (B4)		_	Thin Muck Surfac	()	Geomorphic	Position (D2)			
Iron Deposits (B5)		_	Other (Explain in	Remarks)	Shallow Aqu	()			
Inundation Visible on Aeria	• •	(B7)			FAC-Neutra	. ,			
Water-Stained Leaves (B9))				Sphagnum i	noss (D8) (LRR	≀ T, U)		
ield Observations:									
Surface Water Present? Yes	r	No X	Depth (inches):	N/A					
Vater Table Present? Yes		No		8					
Caturation Present? Yes Includes capillary fringe)		No			nd Hydrology Present?	Yes X	No		
Describe Recorded Data (stream			well periol photos, prev	ious inspections) if avail	lable:				
Describe Recorded Data (stream	gauge, ii	lonnoning							
Remarks:									
cinarks.									
A positive indication of wetland hy	drology v	was observ	ved (at least one primar	y indicator).					
· · F - · · · · · · · · · · · · · · · ·			(F	,					

		Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	<u>30 ft.</u>)	% cover	Species?	Status	Number of Dominant Species	
1. Liquidambar styraciflua		40	Yes	FAC	That Are OBL, FACW, or FAC: 4	(A)
2. Ulmus americana		10	No	FAC		_
3. Quercus nigra		10	No	FAC	Total Number of Dominant	
4. Fagus grandifolia		10	No	FACU	Species Across All Strata: 5	(B)
5						_ (=)
			·		Percent of Dominant Species	
6		70	= Total Cover		That Are OBL, FACW, or FAC: 80%	(A/B)
				14		_ (/// D)
	50% of total cover:		20% of total cover:	14	Prevalence Index Worksheet:	
Sapling Stratum (Plot size:	<u> </u>	45	Maa	FAC		
1. Ulmus americana		15	Yes	FAC	Total % Cover of: Multiply	
2. Fagus grandifolia		15	Yes	FACU	OBL species x 1 =0	
3					FACW species x 2 =0	
4					FAC species 165 x 3 = 49	5
5					FACU species 25 x 4 = 10	0
6			· · · · · · · · · · · · · · · · · · ·		UPL species 0 x 5 = 0	
		30	= Total Cover		Column Totals: 190 (A) 59	5 (B)
	50% of total cover:	15	20% of total cover:	6		
Shrub Stratum (Plot size:	30 ft.)				Prevalence Index = B/A = 3.13	
1. None Observed						
2.					Hydrophytic Vegetation Indicators:	
3.					1 - Rapid Test for Hydrophytic Vegetation	
					X 2 - Dominance Test is >50%	
4			·		$3 - Prevalence Index is \leq 3.0^{1}$	
5			· · · · · · · · · · · · · · · · · · ·		Problematic Hydrophytic Vegetation ¹ (Explain	
6						n)
			= Total Cover		1	
			20% of total cover:		Indicators of hydric soil and wetland hydrology must	
Herb Stratum (Plot size:	<u>30 ft.</u>)				be present, unless disturbed or problematic.	
1. Toxicodendron radicans		70	Yes	FAC	Definitions of Five Vegetation Strata:	
2. Ligustrum sinense		20	Yes	FAC	Tree - Woody plants, excluding woody vines,	
3			· · · · · · · · · · · · · · · · · · ·		approximately 20 ft (6m) or more in height and 3 in.	
4			<u> </u>		(7.6 cm) or larger in diameter at breast height (DBH).	
5						
6.					Sapling - Woody plants, excluding woody vines,	
7.			· · · · · · · · · · · · · · · · · · ·		approximately 20 ft (6 m) or more in height and less	
8			·		than 3 in. (7.6 cm) DBH.	
9.			·			
10.			·		Shrub - Woody plants, excluding woody vines,	
			·		approximately 3 to 20 ft (1 to 6 m) in height.	
11			- Tatal Causar			
	500/ 51 1 1	90	= Total Cover	40	Herb - All herbaceous (non-woody) plants, including	
	50% of total cover:	45	20% of total cover:	18	herbaceous vines, regardless of size, and woody	
Woody Vine Stratum (Plot size	e: <u>30 ft.</u>)				plants, except woody vines, less than approximately	
1. None Observed						
2			·		3 ft (1 m) in height.	
3. <u></u>						
4					Woody vine - All woody vines, regardless of height.	
5			<u> </u>			
			= Total Cover		Hydrophytic	
	50% of total cover:		20% of total cover:		Vegetation	
					-	
Romarka: (if abaar, ad list m		ana halaw)				
Remarks: (if observed, list n A positive indication of hydro		ons below).			Present? Yes X No	

epth	Matrix			Redox	Features			
nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 4/4						Silt loam	
10-16	10YR 5/4						Silt loam	
			·					
			·					
			. <u> </u>					
ype: C=Cc	oncentration, D=Dep	letion, RM=	Reduced Matrix, M	S=Masked	Sand Grains.	² Location: P	L=Pore Lining, M=Matr	ix.
ydric Soils	Indicators: (Applie	cable to all	LRRs, unless oth	erwise no	oted.)		Indicators for Prob	lematic Hydric Soils ³ :
Histosol	(A1)		Polyva	lue Below	Surface (S8) (LF	RR S, T, U)	1 cm Muck (A9) (LRR O)
	pipedon (A2)				e (S9) (LRR S, 1		2 cm Muck (A1	
	istic (A3)				neral (F1) (LRR			; (F18) (outside MLRA 150A,I
				-		0)		
	en Sulfide (A4)			Gleyed M				Iplain Soils (F19) (LRR P, S, 1
	d Layers (A5)		Deplet	ed Matrix (F3)			ght Loamy Soils (F20)
Organic	Bodies (A6) (LRR F	P, T, U)		Dark Surfa	()		(MLRA 153B)	
5 cm Mu	ucky Mineral (A7) (L	RR P, T, U)	Deplet	ed Dark Sı	urface (F7)		Red Parent Ma	terial (TF2)
Muck Pi	resence (A8) (LRR l	J)	Redox	Depressio	ons (F8)		Very Shallow D	ark Surface (TF12)
	uck (A9) (LRR P, T)			10) (LRR	. ,		Other (Explain	
	d Below Dark Surfac	e (A11)			-, (F11) (MLRA 15	1)	(=	,
	ark Surface (A12)	• ()			Masses (F12) (I	-	³ Indicators of	hydrophytic vegetation and
	· · ,			•	· , ·			logy must be present, unless
	rairie Redox (A16) (I			,	F13) (LRR P, T,	0)	disturbed or p	
	/lucky Mineral (S1) (LRR O, S)			7) (MLRA 151)			
Sandy C	Gleyed Matrix (S4)		Reduc	ed Vertic (F18) (MLRA 15 0)A, 150B)		
Sandy F	Redox (S5)		Piedmo	ont Floodp	lain Soils (F19)	(MLRA 149A)		
Stripped	d Matrix (S6)		Anoma	lous Brigh	it Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)	
	urface (S7) (LRR P, \$ _ayer (if observed): 					Hydri	c Soil Present? Yes	NoX
estrictive L Type:	₋ayer (if observed):					Hydri	c Soil Present? Yes	No X
estrictive L Type: Depth (in	₋ayer (if observed):					Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	₋ayer (if observed):		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	NoX
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	NoX
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	NoX
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	NoX
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	<u>No X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	NoX
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	NoX
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (in emarks:	_ayer (if observed): 		erved.			Hydri	c Soil Present? Yes	NoX

Project/Site:			Har	vey Site			Parish:		West Felic	iana	Sampling D)ate:	March	8, 2018	
Applicant/Owner:			Ba	aton Rouge Area	Chambe	r		Sta	ate:	Louisiana	Sample Po	oint:	S	L12	
Investigator(s):	Т. :	Simonea	aux	and	O. Barr	у	Section, T	ownshi	ip, Range:	Secti	on 41, Townsł	hip 4 South,	Range	e 2 West	
Landform (hillslope, to	errace, e	etc.):		Toe of slo	be		Local reli	ef (cond	cave, convex	, none):	Concave	Slope (%):		10-20	
Subregion (LRR or M	ILRA):			LRR P			Lat:	30.7	729701°	Long:	-91.305034°	Datum	:	NAD83	
Soil Map Unit Name:					#N	/A				NWI CI	assification:		Non	e	
Are climatic / hydrolog	gic cond	litions or	n the sit	te typical for this	time of ye	ear?	(Yes / No)	Yes	(if no, e	xplain in Rema	arks.)			
Are Vegetation	No	,Soil	No	,or Hydrology	No	signi	ficantly dist	urbed?	Are "Norm	al Circumsta	nces" present	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology,	No	natur	ally problen	natic?		(If needed, ex	kplain any ans	wers in Rem	arks.)		
SUMMARY OF	FINDI	NGS	- Atta	ch site map	showi	ng sa	mpling	point	locations	s, transec	ts, import	tant featu	res,	etc.	

					, ,		
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?		X X X	No No No	Is the Sampled Area within a Wetland?	Yes X	No	
Remarks:							
This point was determined to be	within a w	etland d	ue to the presence of	all 3 wetland criteria.			

HYDROLOGY	,
MALE ALE STREET	1

Wetland hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check a	ll that apply)	Surface Soil Cracks (B6)
X Surface Water (A1)	Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Marl Deposits (B15) (LRR U)	Drainage Patterns (B10)
Saturation (A3)	Hydrogen Sulfide Odor (C1)	Moss Trim Lines (B16)
Water Marks (B1)	Oxidized Rhizospheres on Living F	Coots(C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Drift Deposits (B3)	Recent Iron Reduction in Tilled So	ls (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5)	Other (Explain in Remarks)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)		FAC-Neutral Test (D5)
Water-Stained Leaves (B9)		Sphagnum moss (D8) (LRR T, U)
Field Observations:		
Surface Water Present? Yes X No	Depth (inches): 2	
Water Table Present? Yes NoX	Depth (inches): >20	
Saturation Present? Yes No X	Depth (inches): >20	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well	l, aerial photos, previous inspections)	if available:
Remarks:		

A positive indication of wetland hydrology was observed (at least one primary indicator).

Sampling Point: SL12

		Al I	Duringent	L. P. M.	Dominance Test worksheet:		
	00 (*)	Absolute	Dominant	Indicator			
Tree Stratum (Plot size:	<u>30 n.</u>)	% cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	2	(A)
1. <u>None Observed</u>			·		That Are OBL, FACW, of FAC.	2	(A)
2			·		Total Number of Dominant		
3			·		Species Across All Strata:	3	(P)
4			·		Species Across Air Strata.	J	(B)
5			·		Persont of Dominant Species		
6			= Total Cover		Percent of Dominant Species	670/	
	500/		-		That Are OBL, FACW, or FAC:	67%	(A/B)
			20% of total cover:		Prevalence Index Worksheet:		
Sapling Stratum (Plot size:	<u>30 ft.</u>)				Total % Cover of:	Multiply by	
						Multiply by:	<u>. </u>
2				<u> </u>	OBL species 30	x 1 = <u>30</u>	
3			·	<u> </u>	FACW species 0	x 2 = 0	
4			·	<u> </u>	FAC species 15	x 3 = <u>45</u>	
5					FACU species 25	x 4 = <u>100</u>	
6			- <u></u>		UPL species 0	x 5 = <u>0</u>	(D)
			= Total Cover		Column Totals: 70	(A) <u>175</u>	(B)
			20% of total cover:				
Shrub Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index = B/A =	2.50	
1. None Observed							
2			. <u> </u>	<u> </u>	Hydrophytic Vegetation Indicator		
3			. <u> </u>	<u> </u>	1 - Rapid Test for Hydroph		
4				<u> </u>	X 2 - Dominance Test is >50		
5					X_3 - Prevalence Index is ≤ 3		
6					Problematic Hydrophytic \	/egetation ' (Explain)	1
			= Total Cover				
	50% of total cover:		20% of total cover:		¹ Indicators of hydric soil and wetlan	, .,	
Herb Stratum (Plot size:	<u>30 ft.</u>)				be present, unless disturbed or pro		
1. Juncus effusus		30	Yes	OBL	Definitions of Five Vegetation St		
2. Rubus argutus		15	Yes	FAC	Tree - Woody plants, excluding wo	-	
3. Lonicera japonica		10	No	FACU	approximately 20 ft (6m) or more in	height and 3 in.	
4					(7.6 cm) or larger in diameter at bre	ast height (DBH).	
5							
6			. <u> </u>		Sapling - Woody plants, excluding		
7			. <u> </u>		approximately 20 ft (6 m) or more in	i height and less	
8					than 3 in. (7.6 cm) DBH.		
9							
10					Shrub - Woody plants, excluding w	•	
11					approximately 3 to 20 ft (1 to 6 m) in	n height.	
		55	= Total Cover				
	50% of total cover:	27.5	20% of total cover:	11	Herb - All herbaceous (non-woody)		
Woody Vine Stratum (Plot size:	<u>30 ft.</u>)				herbaceous vines, regardless of siz	-	
1. Rosa multiflora		15	Yes	FACU	plants, except woody vines, less that	an approximately	
2					3 ft (1 m) in height.		
3							
4					Woody vine - All woody vines, rega	ardless of height.	
5							
		15	= Total Cover		Hydrophytic		
	50% of total cover:	7.5	20% of total cover:	3	Vegetation		
					Present? Yes X	No	
Remarks: (if observed, list mor	phological adaptatic	ons below).					
A positive indication of hydroph		,		nanian indawa			
	iyuc veyetation was	obseived (- 50 % of dominant Sp		d a $ODL, I A OVV, UI FAO).$		

A positive indication of hydrophytic vegetation was observed (Prevalence Index is \leq 3.00).

SL12

epth	Matrix	<u> </u>		Redox F	eatures			
nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
N/A								
			<u> </u>		. <u></u> .			
						2		
	oncentration, D=Dep					² Location: P	L=Pore Lining, M=Matrix	-
ydric Soils	Indicators: (Appli	cable to all Li	RRs, unless oth	erwise no	ted.)		Indicators for Proble	ematic Hydric Soils ³ :
Histoso	l (A1)		Polyva	lue Below	Surface (S8) (LR	RR S, T, U)	1 cm Muck (A9)	(LRR O)
Histic E	pipedon (A2)		Thin D	ark Surface	e (S9) (LRR S, T	", U)	2 cm Muck (A10) (LRR S)
Black H	listic (A3)		Loamy	Mucky Mir	neral (F1) (LRR	O)	Reduced Vertic	(F18) (outside MLRA 150A,
Hydrog	en Sulfide (A4)		Loamy	Gleyed Ma	atrix (F2)		Piedmont Flood	plain Soils (F19) (LRR P, S, 1
	d Layers (A5)			ed Matrix (I				ht Loamy Soils (F20)
	Bodies (A6) (LRR I	эт ш		Dark Surfa			(MLRA 153B)	···· ···· · · · · · · · · · · · ·
	ucky Mineral (A7) (L	· · ·		ed Dark Su			Red Parent Mate	arial (TF2)
					. ,			ark Surface (TF12)
	resence (A8) (LRR I	-		Depression	. ,			
	uck (A9) (LRR P, T)			10) (LRR	-		Other (Explain ir	n Remarks)
·	ed Below Dark Surfac	ce (A11)			F11) (MLRA 15	-	3	
	ark Surface (A12)				Masses (F12) (L			ydrophytic vegetation and
Coast F	Prairie Redox (A16) (MLRA 150A)	Umbrio	c Surface (I	⁼ 13) (LRR P, T,	U)	disturbed or pr	ogy must be present, unless
Sandy	Mucky Mineral (S1)	(LRR O, S)	Delta (Ochric (F17) (MLRA 151)			
Sandy	Gleyed Matrix (S4)		Reduc	ed Vertic (F	18) (MLRA 150	A, 150B)		
Sandy	Redox (S5)		Piedm	ont Floodpl	ain Soils (F19) (MLRA 149A)		
Strippe	d Matrix (S6)		Anoma	alous Bright	Loamy Soils (F	20) (MLRA 14 9	9A, 153C, 153D)	
Dark S	urface (S7) (LRR P,	S, T, U)		-		, .		
estrictive	Layer (if observed)	:						
Type:								
Depth (ir						Hydri	c Soil Present? Yes	X No
Deptii (ii	icites).					riyun		<u> </u>
emarks:								
oil sample	not collected. Soils a	ssumed hydrid	due to extent/du	uration of in	undation.			

Project/Site:	Harvey Site						Parish:		West Felic	iana	Sampling D	ate:	March	8, 2018	
Applicant/Owner:		Baton Rouge Area Chamber						State:			Sample Poi	int:	S	L13	
Investigator(s):	T. Simoneaux and O. Barry						_ Section, Township, Range:Section			Secti	Section 41, Township 4 South, Range 2			e 2 West	
Landform (hillslope, terrace, etc.): Hillslope							Local relie	ef (con	cave, convex,	none):	Convex	Slope (%):		10-20	
ubregion (LRR or MLRA): LRR P							Lat:	30.	731052°	Long:	-91.306270°	Datum	:	NAD83	
Soil Map Unit Name:	Map Unit Name: #N/A									NWI CI	assification:		Non	е	
Are climatic / hydrolog	gic cond	itions or	the sit	e typical for this	time of ye	ar?	(Yes / No)	Yes	(if no, e	xplain in Rema	arks.)			
Are Vegetation	No	,Soil	No	or Hydrology	No	signif	ficantly distu	urbed?	Are "Norm	al Circumsta	nces" present?	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology	No	natur	ally problem	natic?		(If needed, e	kplain any ans	wers in Rem	arks.)		
SUMMARY OF	FINDI	NGS -	Atta	ch site map	showi	nq sa	mpling p	ooint	locations	, transec	ts, import	ant featu	res.	etc.	

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>X</u> Yes Yes	No No No	Is the Sampled Area within a Wetland?	Yes	NoX	
Remarks:						
This point was determined not to	be within a wetland o	lue to the lack of	hydric soils and wetland hydrology.			

HYDROLOGY

Wetland hydrology In	dicators:						Secondary Indicators (minimum of two required)				
Primary Indicators (min	imum of one	is required;	check	all that apply)			Surface Soil Cracks (B6)				
Surface Water (A	A1)			Aquatic Fauna (B13)	1		Sparsely Vegetated Concave Surface (B8)				
High Water Tabl	e (A2)			Marl Deposits (B15)	(LRR U)		Drainage Patterns (B10)				
Saturation (A3)				Hydrogen Sulfide Oc	lor (C1)		Moss Trim Lines (B16)				
Water Marks (B1)			Oxidized Rhizospher	res on Livir	ng Roots(C3)	Dry-Season Water Table (C2)				
Sediment Depos	its (B2)			Presence of Reduce	d Iron (C4)		Crayfish Burrows (C8)				
Drift Deposits (B	3)			Recent Iron Reduction	on in Tilled	Soils (C6)	Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crus	st (B4)			Thin Muck Surface (C7)		Geomorphic Position (D2)				
Iron Deposits (B	5)			Other (Explain in Re	marks)		Shallow Aquitard (D3)				
Inundation Visibl	e on Aerial In	nagery (B7)					X FAC-Neutral Test (D5)				
Water-Stained L	eaves (B9)						Sphagnum moss (D8) (LRR T, U)				
ield Observations:											
urface Water Present?	Yes	No	Х	Depth (inches):	N/A						
ater Table Present?	Yes	No	Х	Depth (inches):	>20						
aturation Present?	Yes	No	Х	Depth (inches):	>20	Wetland Hy	drology Present? Yes <u>No X</u>				
ncludes capillary fringe)				_							
Describe Recorded Da	ta (stream ga	uge, monito	ring we	II, aerial photos, previou	is inspectio	ons), if available:					
	. 0		U	• • •		-					

Remarks:

No positive indication of wetland hydrology was observed.

SL13

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: <u>30 ft.</u>)	% cover	Species?	Status	Number of Dominant Species	
1. Quercus nigra	30	Yes	FAC	That Are OBL, FACW, or FAC: <u>6</u> (A))
2. Pinus taeda	30	Yes	FAC		
3. Celtis laevigata	10	No	FACW	Total Number of Dominant	
4. Prunus serotina	10	No	FACU	Species Across All Strata: 6 (B))
5					
6		· ·		Percent of Dominant Species	
	80	= Total Cover		That Are OBL, FACW, or FAC: 100% (A/E	'В)
50% of total cover:	40	20% of total cover:	16		
<u>Sapling Stratum</u> (Plot size: <u>30 ft.</u>)				Prevalence Index Worksheet:	
1. Quercus nigra	20	Yes	FAC	Total % Cover of: Multiply by:	_
2. <u>Carpinus caroliniana</u>	20	Yes	FAC	OBL species 40 x 1 = 40	_
3				FACW species 10 x 2 = 20	_
4				FAC species 130 x 3 = 390	_
5				FACU species 10 x 4 = 40	_
6				UPL species 0 x 5 = 0	_
	40	= Total Cover		Column Totals: 190 (A) 490	(B)
50% of total cover:	20	20% of total cover:	8		
Shrub Stratum (Plot size: 30 ft.)				Prevalence Index = B/A = 2.58	_
1. None Observed					
2				Hydrophytic Vegetation Indicators:	
3		. <u> </u>		1 - Rapid Test for Hydrophytic Vegetation	
4				X 2 - Dominance Test is >50%	
5				X 3 - Prevalence Index is $\leq 3.0^{1}$	
6				Problematic Hydrophytic Vegetation ¹ (Explain)	
		= Total Cover			
50% of total cover:		20% of total cover:		¹ Indicators of hydric soil and wetland hydrology must	
Herb Stratum (Plot size: <u>30 ft.</u>)				be present, unless disturbed or problematic.	
1. Packera glabella	30	Yes	OBL	Definitions of Five Vegetation Strata:	
2. Chasmanthium sessiliflorum	30	Yes	FAC	Tree - Woody plants, excluding woody vines,	
3. Thelypteris palustris	10	No	OBL	approximately 20 ft (6m) or more in height and 3 in.	
4				(7.6 cm) or larger in diameter at breast height (DBH).	
5					
6				Sapling - Woody plants, excluding woody vines,	
7				approximately 20 ft (6 m) or more in height and less	
8				than 3 in. (7.6 cm) DBH.	
9					
10				Shrub - Woody plants, excluding woody vines,	
11				approximately 3 to 20 ft (1 to 6 m) in height.	
	70	= Total Cover			
50% of total cover:	35	20% of total cover:	14	Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size: <u>30 ft.</u>)				herbaceous vines, regardless of size, and woody	
1. None Observed				plants, except woody vines, less than approximately	
2				3 ft (1 m) in height.	
3					
4				Woody vine - All woody vines, regardless of height.	
5		. <u> </u>			
		= Total Cover		Hydrophytic	
50% of total cover:		20% of total cover:		Vegetation	
				Present? Yes X No	
Remarks: (if observed, list morphological adaptation	ons below).				
A positive indication of hydrophytic vegetation was	observed (>50% of dominant or	ecies indexe	and as $OBI = EACW$ or $EACV$	
A positive indication of hydrophytic vegetation was	obseived (- 50 % of dominant Sp		a a ODE, TAOW, OFTAOJ.	
A positive indication of hydrophytic vegetation was	observed (Prevalence Index is ≤	≤ 3.00).		

Depth Matrix Redox Features (inches) Color (moist) % Type ¹ Loc ² Texture Ri 0.4 10YR 3/2 100 None — — Silt loam … 4.16 10YR 5/6 100 None — — Silt loam …	de MLRA 150A, 19) (LRR P, S, 1 ils (F20)
0.4 10YR 3/2 100 None	ric Soils ³ : de MLRA 150A, F19) (LRR P, S, T ils (F20)
4-16 10YR 5/6 100 None	de MLRA 150A, 19) (LRR P, S, 1 ils (F20)
Image: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Image: C=Concentration, D=Depleted Matrix, MS=Masked Sand Grains. Image: C=Concentration, M=Matrix, MS=Masked Sand Grains. Image: C=Concentration, Matrix, MS=Masked Matrix, Grain, Matrix, MS=Ma	de MLRA 150A, 19) (LRR P, S, 1 ils (F20)
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydri	de MLRA 150A, 19) (LRR P, S, 1 ils (F20)
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric	de MLRA 150A, 19) (LRR P, S, 1 ils (F20)
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric	de MLRA 150A, 19) (LRR P, S, 1 ils (F20)
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric	de MLRA 150A, 19) (LRR P, S, 1 ils (F20)
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric	de MLRA 150A, 19) (LRR P, S, 1 ils (F20)
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric	de MLRA 150A, 19) (LRR P, S, 1 ils (F20)
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outsi Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Sc Organic Bodies (A6) (LRR P, T, U) Redox Depressions (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 ¹ Indicators of hydrophytic v Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes N Remarks: Remarks:	de MLRA 150A, 19) (LRR P, S, 1 ils (F20)
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outsi Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (f Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Sc Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck (A9) (LRR P, T, U) Redox Depressions (F8) Very Shallow Dark Surface (1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 ¹ ndicators of hydrophytic v Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (LRR P, T, U) sturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) sturbed or problematic. Sandy Redox (S5) Anomalous Bright Loamy Sci (F20) (MLRA 149A), 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): Depth (inches): Hydric Soil Present? Yes	19) (LRR P, S, ⁻ ils (F20)
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Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? YesN Remarks:	
Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes N Remarks:	
Type:	
	o <u>X</u>

Project/Site:	Harvey Site					Parish:		West Felic	ana	Sampling E	Date:	March	8, 2018		
Applicant/Owner:	t/Owner: Baton Rouge Area Chamber							Sta	ite:	Louisiana Sample Point:		pint:	SL1		
Investigator(s):	nvestigator(s): T. Simoneaux and O. Barry						Section, Township, Range: Section 40, Township 4 Sou					hip 4 South,	Range	e 2 West	
Landform (hillslope, terrace, etc.): Hillslope							Local relie	ef (conc	cave, convex,	none):	Convex	Slope (%):		0-5	
Subregion (LRR or MLRA): LRR P							Lat:	30.7	730637°	Long:	-91.300046	Datum	:	NAD83	
Soil Map Unit Name: #N/A					/A				NWIC	lassification:		Non	e		
Are climatic / hydrolog	gic cond	litions o	n the sit	e typical for this	time of ye	ear?	(Yes / No)	Yes	(if no, e	explain in Rem	arks.)			
Are Vegetation	No	_,Soil	No	or Hydrology	No	signifi	cantly distu	irbed?	Are "Norma	al Circumsta	ances" present	? Yes	Х	No	
Are Vegetation No ,Soil No ,or Hydrology No natu					natura	lly problem	natic?	(If needed, e	explain any ans	swers in Rem	narks.)			
SLIMMARY OF FINDINGS Attach site man showing sa					ina car	nnlina r	oint	locations	tranco	cte impor	tant foatu	roe	oto		

Hydrophytic Vegetation Present Hydric Soil Present? Wetland Hydrology Present?	t? Yes <u>X</u> Yes <u> </u>	No	X X	Is the Sample within a Wetl		Yes No X					
Remarks: This point was determined r											
IYDROLOGY Wetland hydrology Indica											
, .,							rs (minimum of two require				
Primary Indicators (minimur	m of one is required; cr			2)		Surface Soil (· · /				
Surface Water (A1) High Water Table (A2	2)	·	tic Fauna (B1	,		Drainage Pat	etated Concave Surface (I				
Saturation (A3)	2)		Deposits (B15 ogen Sulfide (Moss Trim Li	()				
Water Marks (B1)		,	•	eres on Living F	Panta (C2)		Nater Table (C2)				
Sediment Deposits (E	20)		ence of Reduc	•	(0018(C3)	Crayfish Burr	()				
· · ·	52)			()			()				
Drift Deposits (B3)	4)			tion in Tilled Soi	lis (C6)		sible on Aerial Imagery (CS				
Algal Mat or Crust (B	4)		Muck Surface r (Explain in R	()		Geomorphic	()				
Iron Deposits (B5) Inundation Visible on	Aprial Imagany (DZ)		r (⊏xpiain in P	emarks)		Shallow Aqui FAC-Neutral					
							()				
Water-Stained Leave	s (B9)					Spnagnum m	ioss (D8) (LRR T, U)				
Field Observations:											
Surface Water Present? Y	es No	X De	pth (inches):	N/A							
	es No		pth (inches):	>20							
	les No		epth (inches):	>20	Wetland Hyd	rology Present?	Yes No				
Describe Recorded Data (si	tream gauge, monitorir	ng well, aerial	photos, previo	ous inspections)	, if available:						
Remarks:											
Remarks:											

~ .		
SL	-1	4

		Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominant Species	
1. Pinus taeda		70	Yes	FAC	That Are OBL, FACW, or FAC: 2 (A)	
2						
3					Total Number of Dominant	
4					Species Across All Strata: 3 (B)	
5				. <u> </u>		
6	·		<u> </u>		Percent of Dominant Species	
			= Total Cover		That Are OBL, FACW, or FAC: 67% (A/E	B)
	50% of total cover:	35	20% of total cover	14	Prevalence Index Worksheet:	
Sapling Stratum (Plot size:	<u>30 ft.</u>)			54011		
	·	20	Yes	FACU	Total % Cover of: Multiply by:	-
2				<u> </u>	OBL species 0 x1 = 0	-
3				·	FACW species $0 x^2 = 0$	-
4				·	FAC species 120 x 3 = 360	-
5			·		FACU species 20 x 4 = 80	-
6	·	20			UPL species $0 \times 5 = 0$	- (D)
	500/	-	= Total Cover	4	Column Totals: <u>140</u> (A) <u>440</u>	_ (B)
Shruh Stratum (Plat aiza)	50% of total cover:	10	20% of total cover	4	Prevalence Index = B/A = 3.14	
Shrub Stratum (Plot size:	<u>30 ft.</u>)	50	Vaa	FAC	Prevalence Index = B/A = <u>3.14</u>	-
1. <u>Ligustrum sinense</u> 2	·				Hydrophytic Vagatation Indicators	
2				·	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation	
3				<u> </u>	X 2 - Dominance Test is >50%	
4 5					$3 - Prevalence Index is \le 3.0^{1}$	
5					Problematic Hydrophytic Vegetation ¹ (Explain)	
6	·	50	= Total Cover			
	50% of total cover:			10	¹ Indicators of hydric soil and wetland hydrology must	
Herb Stratum (Plot size:		20			be present, unless disturbed or problematic.	
1. None Observed					Definitions of Five Vegetation Strata:	
2.	· · ·				Tree - Woody plants, excluding woody vines,	
3.					approximately 20 ft (6m) or more in height and 3 in.	
4.					(7.6 cm) or larger in diameter at breast height (DBH).	
5.					(
6.				·	Sapling - Woody plants, excluding woody vines,	
7					approximately 20 ft (6 m) or more in height and less	
8.					than 3 in. (7.6 cm) DBH.	
9						
10.					Shrub - Woody plants, excluding woody vines,	
11					approximately 3 to 20 ft (1 to 6 m) in height.	
			= Total Cover			
	50% of total cover:		20% of total cover		Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size:	<u>30 ft.</u>)				herbaceous vines, regardless of size, and woody	
1. None Observed					plants, except woody vines, less than approximately	
2					3 ft (1 m) in height.	
3						
4					Woody vine - All woody vines, regardless of height.	
5						
	-		= Total Cover		Hydrophytic	
	50% of total cover:		20% of total cover		Vegetation	
					Present? Yes X No	
Remarks: (if observed, list mor	phological adaptatio	ns below).				
	F	,				
A positive indication of hydroph		,	>50% of dominant s	pecies indexe	d as OBL, FACW, or FAC).	

Color (moist) % Color (moist) % Type ¹ Loc ² Texture Remarks 0-6 10/R 5/4 100 None	ches) Color (moist) % Color (moist) % Type ¹ Loc ² Texture Remarks 0-6 10YR 5/4 100 None	epth	Matrix			Redox	Features			
0-6 10YR 5/4 100 None	0.6 10YR 5/4 100 None	nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
6-16 10YR 5/6 100 None	6-16 10YR 5/6 100 None	0-6	10YR 5/4	100	None	_			Silt loam	
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Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type: Depth (inches): No	Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Hydrogen Suffide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Depleted Matrix (F2) Piedmont Floodplain Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) stricritive Layer (if observed): T	ydric Soils	Indicators: (Appli	icable to all	LRRs, unless othe	erwise no	oted.)		Indicators for Prob	lematic Hydric Soils ³ :
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A6) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Redox Derpressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:	Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A, 150A, 150B) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) (MLRA 153B) Muck Presence (A8) (LRR P, T, U) Redox Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 151) Sitripeed Matrix (S4) Reduced Vertic (F18) (MLRA 150A) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Sitripeed Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Strippei (ff observed): Type:	Histosol	l (A1)		Polyval	ue Below	Surface (S8) (L	RR S, T, U)	1 cm Muck (A9) (LRR O)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A6) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Redox Derpressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:	Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A, 150A, 150B) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) (MLRA 153B) Muck Presence (A8) (LRR P, T, U) Redox Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 151) Sitripeed Matrix (S4) Reduced Vertic (F18) (MLRA 150A) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Sitripeed Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Strippei (ff observed): Type:	Histic E	pipedon (A2)		Thin D	ark Surfac	e (S9) (LRR S.	T. U)	2 cm Muck (A1	0) (LRR S)
Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thro-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delete Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X emarks: Hydric Soil Present? Yes No X	Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) strictive Layer (if observed): Type: No X Type:		, ,							
Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thro-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delte Ochric (F17) (MLRA 150A, 150B) Stripped Matrix (S4) Reduced Vertic (F18) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:	Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thrick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) strictive Layer (if observed): Type: No X Type:		. ,					0)		
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type: Depth (inches): No X emarks: Hydric Soil Present? Yes No X	Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type: Depth (inches): No X emarks: Hydric Soil Present? Yes No X				Loamy	Gleyed M	atrix (F2)		Piedmont Flood	iplain Soils (F19) (LRR P, S, [*]
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:	5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Stratifie	d Layers (A5)		Deplete	ed Matrix ((F3)		Anomalous Brig	ght Loamy Soils (F20)
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:	Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Inno-Manganese Masses (F12) (LRR O, P, T) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) strictive Layer (if observed): Type: No X Type:	Organic	Bodies (A6) (LRR I	P, T, U)	Redox	Dark Surf	ace (F6)		(MLRA 153B)	
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:	Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Inno-Manganese Masses (F12) (LRR O, P, T) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) strictive Layer (if observed): Type: No X Type:	5 cm Mi	ucky Mineral (A7) (L	RR P. T. U)	Deplete	d Dark S	urface (F7)		Red Parent Ma	terial (TF2)
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) #ydric Soil Present? Yes No X estrictive Layer (if observed): Type: Type: No X Depth (inches): Hydric Soil Present? Yes No X	1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 ¹ ndicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR O, P, T) 3 ¹ ndicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X pepth (inches): No X									
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X	Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X			-		•	. ,			· · · · ·
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type: No X marks: No X	Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type: No X Depth (inches): No X	1 cm Mi	uck (A9) (LRR P, T)			, .	-		Other (Explain	in Remarks)
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) No X bepth (inches): Hydric Soil Present? Yes No X emarks: Matrix Soil Present? Yes No X	Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Depth (inches): Mudric Soil Present? Yes No X emarks: Mudric Soil Present? Yes No X	Deplete	d Below Dark Surfa	ce (A11)	Deplete	ed Ochric	(F11) (MLRA 1	51)		
Coast Frame Reduct (ARD) (Inclex Floor)		Thick D	ark Surface (A12)		Iron-Ma	inganese	Masses (F12) (LRR O, P, T)	³ Indicators of	hydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): No X emarks: Piedmont Floodplain Soils (F20)	Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) strictive Layer (if observed): Type: Type: No Depth (inches): No x	Coast P	Prairie Redox (A16) (MI RA 1504		-			wetland hydro	logy must be present, unless
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): No X Yes	Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Image: Stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Image: Depth (inches): No X Image: Stripped Matrix (S6) No X							0)	disturbed or p	roblematic.
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Image: Comparison of the second	Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Image: Comparison of the system			(LKK 0, 5)						
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U)	Stripped Matrix (S6)	Sandy (Gleyed Matrix (S4)		Reduce	ed Vertic (F18) (MLRA 15	0A, 150B)		
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes NoX emarks:	Dark Surface (S7) (LRR P, S, T, U) setrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes NoX emarks:	Sandy F	Redox (S5)		Piedmo	nt Floodp	lain Soils (F19)	(MLRA 149A)		
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes NoX emarks:	Dark Surface (S7) (LRR P, S, T, U) setrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes NoX emarks:	Stripped	d Matrix (S6)		Anoma	ous Brigh	nt Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)	
estrictive Layer (if observed): Type: Depth (inches): NoX emarks:	estrictive Layer (if observed): Type: Depth (inches): NoX emarks:			сти				, ,	,	
		Bopul								NO
p positive indication of hydric soils was observed.	positive indication of hydric soils was observed.	emarks:								
		o positive ir	ndication of hydric s	oils was obs	erved.					

Project/Site:	Harvey Site								West Felici	ana	_Sampling Da	ate:	March	8, 2018	
Applicant/Owner:	Baton Rouge Area Chamber							Sta	ate:	Louisiana	Sample Poi	int:	SI	_15	
Investigator(s):	r(s): T. Simoneaux and O. Barry						_ Section, Township, Range: Sect				tion 41, Township 4 South, Range 2 West				
Landform (hillslope, to	errace, e	etc.):		Plain			Local relie	ef (con	cave, convex,	none):	None	Slope (%):		0-5	
Subregion (LRR or M	LRA):			LRR P			Lat:	30.	727465°	Long:	-91.300433°	Datum		NAD83	
Soil Map Unit Name:					#N	/A				NWIC	assification:		None	e	
Are climatic / hydrolog	gic cond	litions o	n the sit	e typical for this	time of ye	ear?	(Yes / No)	Yes	(if no, ex	plain in Rema	arks.)			
Are Vegetation	No	_,Soil	No	or Hydrology	No	sign	ificantly distu	urbed?	Are "Norma	al Circumsta	nces" present?	Yes	Х	No	
Are Vegetation	No	_,Soil	No	,or Hydrology	No	natu	rally problen	natic?	(lf needed, ex	plain any ans	wers in Rem	arks.)		
SUMMARY OF	FINDI	NGS	- Atta	ch site map	showi	na sa	ampling ı	ooint	locations	. transec	ts. importa	ant featu	res.	etc.	

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Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes <u></u> Yes	No No No	Is the Sampled Area within a Wetland?	Yes	NoX
Remarks:					
HYDROLOGY					
Wetland hydrology Indicators:				Secondary Indicator	rs (minimum of two required)
Primary Indicators (minimum of o	one is required; chec	k all that apply)		Surface Soil 0	Cracks (B6)
Surface Water (A1)	_	Aquatic Fauna	B13)	Sparsely Veg	etated Concave Surface (B8)
High Water Table (A2)		Marl Deposits (I	315) (LRR U)	Drainage Pat	terns (B10)

Wetland hydrology In	dicators:						Secondary Indicators (minimum of two required)			
Primary Indicators (mir	nimum of one	is required;	check	all that apply)			Surface Soil Cracks (B6)			
Surface Water (A	A1)			Aquatic Fauna (B13	3)		Sparsely Vegetated Concave Surface (B8)			
High Water Tabl	le (A2)			Marl Deposits (B15) (LRR U)		Drainage Patterns (B10)			
Saturation (A3)				Hydrogen Sulfide C	dor (C1)		Moss Trim Lines (B16)			
Water Marks (B1	1)			Oxidized Rhizosphe	eres on Livir	ng Roots(C3)	Dry-Season Water Table (C2)			
Sediment Depos	sits (B2)			Presence of Reduce	ed Iron (C4)		Crayfish Burrows (C8)			
Drift Deposits (B				Recent Iron Reduct	ion in Tilled	Soils (C6)	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Cru	st (B4)			Thin Muck Surface	(C7)		Geomorphic Position (D2)			
Iron Deposits (B				Other (Explain in Re	emarks)		Shallow Aquitard (D3)			
Inundation Visib	le on Aerial In	nagery (B7)					FAC-Neutral Test (D5)			
Water-Stained L	eaves (B9).						Sphagnum moss (D8) (LRR T, U)			
ield Observations:										
Surface Water Present?	Yes	No	Х	Depth (inches):	N/A					
Vater Table Present?	Yes	No	Х	Depth (inches):	>20					
Saturation Present?	Yes	No	Х	Depth (inches):	>20	Wetland Hy	drology Present? Yes No X			
includes capillary fringe)						_				
Describe Recorded Da	ta (stream ga	uge, monito	ring we	ell, aerial photos, previo	us inspectio	ons), if available:				
		-			-	-				
Remarks:										

No positive indication of wetland hydrology was observed.

				Device Tester labor		
	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30 ft.		Species?	Status	Number of Dominant Species	_	
1. Pinus taeda	50	Yes	FAC	That Are OBL, FACW, or FAC:	6	(A)
2. Liquidambar styraciflua	20	Yes	FAC			
3				Total Number of Dominant		
4				Species Across All Strata:	6	(B)
5						
6				Percent of Dominant Species		
	70	= Total Cover		That Are OBL, FACW, or FAC:	100%	(A/B)
50% of t	otal cover: <u>35</u>	20% of total cover	. 14			
Sapling Stratum (Plot size: 30 ft.)			Prevalence Index Worksheet:		
1. Liquidambar styraciflua	30	Yes	FAC	Total % Cover of:	Multiply b	y:
2				OBL species 0	x 1 = 0	
3				FACW species 0	x 2 = 0	
4				FAC species 165	x 3 = 495	
5				FACU species 0	x 4 = 0	
6		· · · · · · · · · · · · · · · · · · ·		UPL species 0	x 5 = 0	
		= Total Cover		Column Totals: 165	(A) 495	(B)
50% of t	otal cover: 15	•	: 6			、/
Shrub Stratum (Plot size: 30 ft.				Prevalence Index = B/A =	3.00	
1. Ligustrum sinense	30	Yes	FAC			
2				Hydrophytic Vegetation Indicate	ors:	
3		·		1 - Rapid Test for Hydrop		
4.				X 2 - Dominance Test is >5	, ,	
				X 3 - Prevalence Index is \leq		
5				Problematic Hydrophytic)
6		= Total Cover)
		20% of total cover	. 6	¹ Indicators of hydric soil and wetla	nd hudrology must	
			: 6	be present, unless disturbed or pre-		
A dimensional dimension		Voo	EAC			
1. Ligustrum sinense	45	Yes Yes	FAC FAC	Definitions of Five Vegetation S Tree - Woody plants, excluding w		
2. <u>Sambucus nigra</u>		165	FAC	•••	-	
3		·	<u> </u>	approximately 20 ft (6m) or more in	-	
4				(7.6 cm) or larger in diameter at br	east neight (DBH).	
5				Sapling - Woody plants, excluding	n woody yines	
6				approximately 20 ft (6 m) or more i	-	
7				than 3 in. (7.6 cm) DBH.	in height and less	
8		·				
9		·		Shrub - Woody plants, excluding	voody vinoo	
10		·				
11		·		approximately 3 to 20 ft (1 to 6 m)	in neight.	
		= Total Cover	_	Herb - All herbaceous (non-woody	() planta including	
	otal cover: 17.5	20% of total cover	: 7	, .		
Woody Vine Stratum (Plot size: 30	<u>ft.</u>)			herbaceous vines, regardless of si		
1. None Observed				plants, except woody vines, less th	ian approximately	
2				3 ft (1 m) in height.		
3						
4				Woody vine - All woody vines, reg	jardless of height.	
5						
		= Total Cover		Hydrophytic		
50% of t	otal cover:	20% of total cover	·	Vegetation		
				Present? Yes X	No	
Remarks: (if observed, list morphologica	al adaptations below).					
A positive indication of hydrophytic veget	tation was observed (>50% of dominant s	pecies indexe	d as OBL, FACW, or FAC).		
A positive indication of hydrophytic vege	tation was observed (Prevalence Index is	≤ 3.00).			

epth	Matrix			Redox	Features			
nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/4	100	None	_			Silt loam	
			·			·		
						<u> </u>		
vpe C=C	oncentration, D=Dep	letion RM=	Reduced Matrix M	S=Masker	Sand Grains	² Location: P	L=Pore Lining, M=Matr	x
	Indicators: (Appli					Ecoution. 1		lematic Hydric Soils ³ :
			-					
Histoso					Surface (S8) (LF		1 cm Muck (A9	
	pipedon (A2)				e (S9) (LRR S, 1		2 cm Muck (A1	
Black H	istic (A3)		Loamy	Mucky Mi	neral (F1) (LRR	O)	Reduced Vertic	(F18) (outside MLRA 150A,
Hydrog	en Sulfide (A4)		Loamy	Gleyed M	atrix (F2)		Piedmont Floor	Iplain Soils (F19) (LRR P, S, ⁻
Stratifie	d Layers (A5)		Deplet	ed Matrix (F3)		Anomalous Brid	ght Loamy Soils (F20)
	Bodies (A6) (LRR I	эті		Dark Surfa			(MLRA 153B)	
-								torial (TE2)
	ucky Mineral (A7) (L		· ·		urface (F7)		Red Parent Ma	
	resence (A8) (LRR I	-		Depressio	. ,			ark Surface (TF12)
1 cm M	uck (A9) (LRR P, T)		Marl (F	10) (LRR	U)		Other (Explain	n Remarks)
Deplete	d Below Dark Surfac	ce (A11)	Deplet	ed Ochric	(F11) (MLRA 15	1)		
Thick D	ark Surface (A12)		Iron-M	anganese	Masses (F12) (I	RR 0, P, T)	³ Indicators of	hydrophytic vegetation and
	Prairie Redox (A16) (MI RA 150/			F13) (LRR P, T,		wetland hydro	logy must be present, unless
			·	`		0)	disturbed or p	roblematic.
	Mucky Mineral (S1)	(LKK U, S)			7) (MLRA 151)			
	Gleyed Matrix (S4)				F18) (MLRA 15 0	-		
Sandy I	Redox (S5)		Piedm	ont Floodp	lain Soils (F19)	MLRA 149A)		
Strippe	d Matrix (S6)		Anoma	alous Brigh	t Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)	
Dark Su	urface (S7) (LRR P,	S. T. U)						
estrictive I Type:	Layer (if observed)	:				Hydri	c Soil Present? Yes	No X
estrictive		:				Hydri	c Soil Present? Yes	No X
estrictive I Type:		:				Hydri	c Soil Present? Yes	No X
estrictive I Type: Depth (in emarks:	ches):					Hydrid	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:			served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydrid	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydrid	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydrid	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No X
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No X
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	NoX
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	NoX
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	NoX
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	No <u>X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	<u>No X</u>
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	NoX
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	NoX
estrictive I Type: Depth (in emarks:	ches):		served.			Hydri	c Soil Present? Yes	NoX

Project/Site:		Harvey Site				Parish:		West Feliciana		_Sampling Da	Sampling Date: March		8, 2018	
Applicant/Owner:		Baton Rouge Area Chamber				State:			Louisiana	Louisiana Sample Point:		SL16		
Investigator(s):	В.	McNab	b	and	T. Jones	s	Section, Township, Range:			Secti	ip 4 South,	Range	e 2 West	
Landform (hillslope,	terrace, et	tc.):		Depressior	<u>1</u>		Local reliet	f (conca	ve, convex,	, none):	Concave	Slope (%):		0-5
Subregion (LRR or I	MLRA):			LRR P			Lat:	30.72	25010°	Long:	-91.316947°	Datum	:	NAD83
Soil Map Unit Name					#N//	A				NWI CI	assification:		Non	е
Are climatic / hydrole	ogic condi	tions or	n the sit	e typical for this t	ime of yea	ar?	(Yes / No)		Yes	(if no, e	oplain in Rema	ırks.)		
Are Vegetation	No	,Soil	No	or Hydrology,	No	signific	cantly distur	rbed?	Are "Norm	al Circumsta	nces" present?	Yes	Х	No
Are Vegetation	No	,Soil	Yes	or Hydrology,	No	natura	lly problema	atic?	1	(If needed, ex	plain any ans»	wers in Rem	arks.)	
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.														

vdrophytic Vegetation Present? vdric Soil Present?	Yes X No Yes X No	Is the Sampled Area	
etland Hydrology Present?	Yes X No	within a Wetland?	Yes X No
emarks:			
This point was determined to be wit	thin a wetland due to the presence	of all 3 wetland criteria.	
YDROLOGY			
Wetland hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one	e is required; check all that apply)		Surface Soil Cracks (B6)
X Surface Water (A1)	Aquatic Fa	una (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Marl Depos	sits (B15) (LRR U)	Drainage Patterns (B10)
X Saturation (A3)	Hydrogen	Sulfide Odor (C1)	Moss Trim Lines (B16)
	Oxidized B	hizospheres on Living Roots(C3)	Dry-Season Water Table (C2)
Water Marks (B1)	OAGIZCUT		
Water Marks (B1) Sediment Deposits (B2)		of Reduced Iron (C4)	Crayfish Burrows (C8)
	Presence of	of Reduced Iron (C4) n Reduction in Tilled Soils (C6)	
Sediment Deposits (B2)	Presence of Recent Iror	()	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Sediment Deposits (B2) Drift Deposits (B3)	Presence of Recent Iror Thin Muck	n Reduction in Tilled Soils (C6)	Crayfish Burrows (C8)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Presence c Recent Iror Thin Muck Other (Exp	n Reduction in Tilled Soils (C6) Surface (C7)	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2)

Surface Water Present?	Yes	х	No		Depth (inches):	6				
Water Table Present?	Yes		No	Х	Depth (inches):	>20				
Saturation Present?	Yes	х	No		Depth (inches):	0-12	Wetland Hydrology Present?	Yes	х	No
(includes capillary fringe)										

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

Remarks:

A positive indication of wetland hydrology was observed (at least one primary indicator).

		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size:	30 ft)	% cover	Species?	Status	Number of Dominant Species		
1 News Observed		// 00101	000000.	otatao	That Are OBL, FACW, or FAC:	3	(A)
2			<u> </u>				
3.			·		Total Number of Dominant		
4			·		Species Across All Strata:	3	(B)
5			·				(=)
6.			·		Percent of Dominant Species		
·			= Total Cover		That Are OBL, FACW, or FAC:	100%	(A/B)
	50% of total cover:		20% of total cover:				()
Sapling Stratum (Plot size:			2070 01 10101 00101.		Prevalence Index Worksheet:		
1 None Observed	<u> </u>				Total % Cover of:	Multiply by	:
2.			·		OBL species 170	x1 = 170	<u> </u>
3.			·		FACW species 70	-	
4			·		FAC species 55	x3 = 165	
5			·		FACU species 0	-	
6			<u> </u>		UPL species 0	x5= 0	
0			= Total Cover		Column Totals: 295	(A) 475	(B)
	50% of total cover:		20% of total cover:			(/) 4/0	(5)
Shrub Stratum (Plot size:			20 % Of total cover.		Prevalence Index = B/A =	1.61	
1. None Observed	<u> </u>						
	<u> </u>		·		Hydrophytic Vegetation Indicato	ors'	
2			·		1 - Rapid Test for Hydrop		
3 4.			<u> </u>		X 2 - Dominance Test is >5		
			<u> </u>		X 3 - Prevalence Index is ≤		
5			<u> </u>				
6			T. 1.1.0		Problematic Hydrophytic	vegetation (Explain)	
	500/		= Total Cover		1. The state of th		
Llash Chattan (Distaine)			20% of total cover:		Indicators of hydric soil and wetla	, ,,	
Herb Stratum (Plot size:	<u>30 ft.</u>)	<u> </u>	Vee		be present, unless disturbed or pro		
1. Persicaria hydropiperoides	<u> </u>	60	Yes	OBL	Definitions of Five Vegetation St		
2. Juncus effusus		50	Yes	OBL	Tree - Woody plants, excluding w	-	
3. <u>Alternanthera philoxeroides</u>		50	Yes	OBL	approximately 20 ft (6m) or more in		
4. Cyperus virens		45	<u>No</u>	FACW	(7.6 cm) or larger in diameter at br	east height (DBH).	
5. Andropogon glomeratus		25	No	FACW	Sapling - Woody plants, excluding	woody vince	
6. Panicum virgatum		25	No	FAC	approximately 20 ft (6 m) or more i		
7. <u>Rubus argutus</u>		25	No	FAC	than 3 in. (7.6 cm) DBH.	IT Height and less	
8. Juncus acuminatus		10	No	OBL			
9. <u>Rumex crispus</u>		5	No	FAC	Chrub Weady planta avaluating y	voodu vinoo	
10			·		Shrub - Woody plants, excluding w		
11					approximately 3 to 20 ft (1 to 6 m)	in neight.	
			= Total Cover) alamta in aludia a	
	50% of total cover:	147.5	20% of total cover:	59	Herb - All herbaceous (non-woody	, i i i i i i i i i i i i i i i i i i i	
	<u>30 ft.</u>)				herbaceous vines, regardless of si		
1. None Observed			·		plants, except woody vines, less th	an approximately	
2			<u> </u>		3 ft (1 m) in height.		
3			<u> </u>			and the second back where	
4			·		Woody vine - All woody vines, reg	ardless of height.	
5			<u> </u>				
			= Total Cover		Hydrophytic		
	50% of total cover:		20% of total cover:		Vegetation		
					Present? Yes X	No	
Remarks: (if observed, list mor	nhological adaptatio	ns helow)					
A positive indication of hydroph	ytic vegetation was	observed (>50% of dominant sp	ecies indexe	d as OBL, FACW, or FAC).		
A positive indication of hydroph	ytic vegetation was	observed (Prevalence Index is ≤	3.00).			

	cription: (Describe Matrix	to the depth	needed to docu	u ment the i Redox F		nfirm the abso	ence of indicators.)	
Depth (inchos)			Color (moist)			Loc ²	Toxturo	Pomorko
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	LOC	Texture	Remarks
		<u> </u>			·		·	
			<u> </u>					
					·······		· ·	
1			<u> </u>	. —		2	·	
	oncentration, D=Dep					² Location:	PL=Pore Lining, M=Matri	
Hydric Soils	Indicators: (Appli	cable to all L	RRs, unless otl	herwise no	ted.)		Indicators for Probl	ematic Hydric Soils ³ :
Histoso	l (A1)		Polyva	alue Below S	Surface (S8) (L	RR S, T, U)	1 cm Muck (A9)	(LRR O)
Histic E	pipedon (A2)		Thin [Dark Surface	e (S9) (LRR S,	T. U)	2 cm Muck (A10)) (LRR S)
	listic (A3)				neral (F1) (LRR			(F18) (outside MLRA 150A,B)
						0)		
	en Sulfide (A4)			y Gleyed Ma				plain Soils (F19) (LRR P, S, T)
Stratifie	d Layers (A5)		Deple	ted Matrix (F	=3)		Anomalous Brig	ht Loamy Soils (F20)
Organic	Bodies (A6) (LRR F	P, T, U)	Redox	k Dark Surfa	ce (F6)		(MLRA 153B)	
5 cm M	ucky Mineral (A7) (L	RR P, T, U)	Deple	ted Dark Su	rface (F7)		Red Parent Mat	erial (TF2)
Muck P	resence (A8) (LRR l	Ŋ		k Depression				ark Surface (TF12)
		-,		F10) (LRR I				
	uck (A9) (LRR P, T)	(-		X Other (Explain i	II Remarks)
	d Below Dark Surfac	ce (A11)	·	`	F11) (MLRA 18	•	3	
Thick D	ark Surface (A12)			-	Masses (F12) (ydrophytic vegetation and
Coast F	Prairie Redox (A16) (I	MLRA 150A)	Umbri	ic Surface (F	13) (LRR P, T	, U)		logy must be present, unless
Sandy I	Mucky Mineral (S1) (LRR O, S)	Delta	Ochric (F17) (MLRA 151)		disturbed or pr	rodiematic.
	Gleyed Matrix (S4)		Reduc	ced Vertic (F	18) (MLRA 15	0A 150B)		
	Redox (S5)			-	ain Soils (F19)			
	d Matrix (S6)		Anom	alous Bright	Loamy Soils (F	-20) (MLRA 1 4	49A, 153C, 153D)	
Dark Su	urface (S7) (LRR P, \$	S, T, U)						
Depth (in	iches):					Hyd	ric Soil Present? Yes	<u>X</u> No
Remarks:								
A positive inc	dication of hydric soil	was observe	d.					
Due to inund	ation a clear soil pro	file was unobt	ainable. Soils a	re assumed	to be hydric.			

VVEIL				anu Gun	Coasi	ai Fiain Reg	JION	
Project/Site:	Harvey Site	Pa	arish:	West Felicia	ana	Sampling Da	ate: N	/arch 8, 2018
Applicant/Owner:	Baton Rouge Area C	Chamber	Stat	:e:	Louisiar	na Sample Poi	nt:	SL17
Investigator(s): B. M	cNabb and	T. Jones S	ection, Townshi	o, Range:	Se	ction 43, Townsh	ip 4 South, F	≀ange 2 West
Landform (hillslope, terrace, etc.): Depression	L	ocal relief (conc	ave, convex,	none):	Concave	Slope (%):	0-5
Subregion (LRR or MLRA):	LRR P		Lat:30.7	24686°	Long:	-91.316838°	Datum:	NAD83
Soil Map Unit Name:		#N/A			NWI	Classification:		None
Are climatic / hydrologic conditio	ns on the site typical for this ti	me of year? (Yes / No)	Yes	(if no,	, explain in Rema	ırks.)	
Are Vegetation No ,			ntly disturbed?	Are "Norma	l Circums	stances" present?	Yes	X No
Are Vegetation No ,	Soil No ,or Hydrology	No naturally	problematic?	(lf needed,	explain any ans	wers in Rema	arks.)
SUMMARY OF FINDING	3S - Attach site map s	showing sam	pling point	locations	, transe	ects, importa	ant featur	es, etc.
Hydrophytic Vegetation Presen Hydric Soil Present? Wetland Hydrology Present?	Yes X	No No No	Is the Samp within a We			Yes <u>X</u>	No	
Remarks:								
This point was determined	to be within a wetland due to th	ne presence of all 🤅	3 wetland criteria	ì.				
HYDROLOGY								
Wetland hydrology Indica	itors:				Seco	ndary Indicators (minimum of	two required)
Primary Indicators (minimu	m of one is required; check all	that apply)			0000	Surface Soil Cra		ino roquirou)
X Surface Water (A1)		Aquatic Fauna (B	13)			Sparsely Vegeta	. ,	Surface (B8)
High Water Table (A		Marl Deposits (B1	•		×			
						Drainage Patter		
X Saturation (A3)		Hydrogen Sulfide	. ,	B ((00)		Moss Trim Lines		2
Water Marks (B1)		Oxidized Rhizosp	-	Roots(C3)		Dry-Season Wa		<u>2)</u>
Sediment Deposits (32)	Presence of Redu	. ,			Crayfish Burrow		
X Drift Deposits (B3)		Recent Iron Redu	iction in Tilled So	oils (C6)		Saturation Visib	le on Aerial Ir	magery (C9)
Algal Mat or Crust (B	.4)	Thin Muck Surfac	ce (C7)			Geomorphic Po	sition (D2)	
Iron Deposits (B5)		Other (Explain in	Remarks)			Shallow Aquitar	d (D3)	
Inundation Visible or	Aerial Imagery (B7)				Х	FAC-Neutral Te	st (D5)	
X Water-Stained Leave	∺s (B9)					Sphagnum mos	s (D8) (LRR	T, U)
Field Observations:								
Surface Water Present? Y	′es <u>X</u> No	Depth (inches)	: 3					
Water Table Present? Y	'es <u> </u>	Depth (inches)	: >20					
	′es X No	Depth (inches)	: 0-12	Wetland H	lydrology	Present? Y	'es <u>X</u>	No
(includes capillary fringe)								
Describe Recorded Data (s	tream gauge, monitoring well,	aerial photos, prev	vious inspections	s), if available	:			
Remarks:								
Nemarks.								
A positive indication of wetl	and hydrology was observed (at least one primar	y indicator).					
A positive indication of wet	and hydrology was observed (at least two second	dary indicators).					

- 01	. 4	-
- 51	- 1	

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30 ft.)	% cover	Species?	Status	Number of Dominant Species		
1. Quercus nigra	40	Yes	FAC	That Are OBL, FACW, or FAC:	6	(A)
2. <u>Magnolia virginiana</u>	30	Yes	FACW			
3. Carpinus caroliniana	20	No	FAC	Total Number of Dominant		
4. Nyssa sylvatica	15	No	FAC	Species Across All Strata:	6	(B)
5. Quercus michauxii	10	No	FAC			
6				Percent of Dominant Species		
	115	= Total Cover		That Are OBL, FACW, or FAC:	100%	(A/B)
50% of total cover:	57.5	20% of total cover:	23			
Sapling Stratum (Plot size: 30 ft.)		-		Prevalence Index Worksheet:		
1. Carpinus caroliniana	40	Yes	FAC	Total % Cover of:	Multiply b	y:
2. Liquidambar styraciflua	25	Yes	FAC	OBL species 0	x 1 = 0	
3				FACW species 60	x2= 120)
4				FAC species 165	x 3 = 49	
5		<u> </u>		FACU species 0	x 4 = 0	
6				UPL species 0	x5= 0	
0	65	= Total Cover		Column Totals: 225	(A) 61	6 (B)
50% of total accurate		-	12			 (D)
Shrub Stratum (Plot size: 30 ft.)	32.5	20% of total cover:	13	Prevalence Index = B/A =	2.73	
1. None Observed		- <u> </u>				
2				Hydrophytic Vegetation Indicate		
3		<u> </u>		1 - Rapid Test for Hydrop		
4				X 2 - Dominance Test is >5	0%	
5				X_3 - Prevalence Index is ≤	3.0 ¹	
6		<u> </u>		Problematic Hydrophytic	Vegetation ¹ (Explair	ı)
		= Total Cover				
50% of total cover:		20% of total cover:		¹ Indicators of hydric soil and wetla	nd hydrology must	
Herb Stratum (Plot size: <u>30 ft.</u>)				be present, unless disturbed or pro	oblematic.	
1. Arundinaria gigantea	30	Yes	FACW	Definitions of Five Vegetation S	trata:	
2. Ligustrum sinense	15	Yes	FAC	Tree - Woody plants, excluding w	oody vines,	
3				approximately 20 ft (6m) or more in	height and 3 in.	
4				(7.6 cm) or larger in diameter at br	east height (DBH).	
5				, , J	σ (
6				Sapling - Woody plants, excluding	y woody vines,	
7		<u> </u>		approximately 20 ft (6 m) or more i	n height and less	
8				than 3 in. (7.6 cm) DBH.		
9						
9 10.		·		Shrub - Woody plants, excluding	woody vines,	
		·		approximately 3 to 20 ft (1 to 6 m)	-	
11	45	- Tatal Causa				
50% (10,10)	45	= Total Cover	0	Herb - All herbaceous (non-wood)) plants including	
	22.5	20% of total cover:	9	herbaceous vines, regardless of si	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft.</u>)				plants, except woody vines, less th		
1. None Observed		- <u> </u>		3 ft (1 m) in height.		
2				o it (1 iii) iii neight.		
3				Meedu vine All woody vines res	ardlaga of baight	
4				Woody vine - All woody vines, reg	ardiess of height.	
5						
		= Total Cover		Hydrophytic		
50% of total cover:		20% of total cover:		Vegetation		
				Present? Yes X	No	
Remarks: (if observed, list morphological adaptation	ons below).					
A positive indication of hydrophytic vegetation was	,					
A positive indication of hydrophytic vegetation was	-	>50% of dominant sp	pecies indexe	d as OBL, FACW, or FAC).		
A positive indication of hydrophytic vegetation was	observed (d as OBL, FACW, or FAC).		

Depth	Matrix			Redox F	eatures						
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0-2	10YR 5/2	100	None				Silt				
2-4	10YR 7/4	100	None				Sand				
4-16	10YR 5/2	80	10YR 5/6	20	C	M	Silty Clay				
Type: C=C	oncentration, D=Dep	oletion, RM=	Reduced Matrix, M	S=Masked	Sand Grains.	² Location: Pl	L=Pore Lining, M=Matrix				
lydric Soils	Indicators: (Appl	icable to all	LRRs, unless oth	erwise not	ed.)		Indicators for Proble	ematic Hydric Soils ³ :			
Histoso	l (A1)		Polyva	lue Below S	Surface (S8) (L	RR S, T, U)	1 cm Muck (A9)	(LRR O)			
Histic E	pipedon (A2)		Thin D	ark Surface	(S9) (LRR S,	T, U)	2 cm Muck (A10) (LRR S)			
Black H	listic (A3)		Loamy	t O)	Reduced Vertic ((F18) (outside MLRA 150A,E					
Hydrog	en Sulfide (A4)		Loamy		Piedmont Flood	olain Soils (F19) (LRR P, S, T					
Stratifie	ed Layers (A5)		X Deplet		Anomalous Bright Loamy Soils (F20)						
Organio	c Bodies (A6) (LRR	P, T, U)	Redox		(MLRA 153B)						
5 cm M	ucky Mineral (A7) (I	.RR P, T, U)	Deplet		Red Parent Mate	erial (TF2)					
Muck F	Presence (A8) (LRR	U)	Redox		Very Shallow Da	rk Surface (TF12)					
	uck (A9) (LRR P, T)		Marl (F	10) (LRR L	J)		Other (Explain in	Remarks)			
	ed Below Dark Surfa	ce (A11)	·	•	F11) (MLRA 1	•	2				
	ark Surface (A12)			•	lasses (F12)						
	Prairie Redox (A16)	•	·		13) (LRR P, T	, U)) disturbed or problematic.				
	Mucky Mineral (S1)	(LRR O, S)) (MLRA 151)			bbiomado.			
	Gleyed Matrix (S4)				18) (MLRA 15	-					
	Redox (S5)			•	()	(MLRA 149A)					
	d Matrix (S6)		Anoma	lous Bright	Loamy Soils (F20) (MLRA 149	A, 153C, 153D)				
Dark Si	urface (S7) (LRR P,	S, T, U)									
Restrictive	Layer (if observed)):									
Type:											
Depth (ir	iches):					Hydrid	c Soil Present? Yes _	<u>X</u> No			
Remarks:											
A positive in	dication of hydric so	il was observ	ved.								

Project/Site:		Harvey Site					Parish:	West Feliciana			Sampling D	late:	March	8, 2018	
Applicant/Owner:			Baton Rouge Area Chamber				State:			Sample Po	oint:	S	_18		
Investigator(s):	В.	McNab	b	and T. Jones			Section, 7	Section, Township, Range:			Section 43, Township			2 West	
Landform (hillslope, te	errace, et	ic.):		Hillslope	Ð		Local reli	ef (co	oncave, convex,	none):	Convex	Slope (%):		10-20	
Subregion (LRR or MI	LRA):			LRR P			Lat:	3	0.724823°	Long:	-91.315666°	Datum		NAD83	
Soil Map Unit Name:					#N	I/A				NWIC	lassification:		Non	3	
Are climatic / hydrolog	jic condi	tions or	the site	e typical for this	time of y	ear?	(Yes / No) _	Yes	(if no, e	xplain in Rema	arks.)			
Are Vegetation	No	,Soil	No	or Hydrology,	No	sign	ificantly dist	urbec	d? Are "Norma	al Circumsta	nces" present	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology	No	natu	rally probler	natic	? (lf needed, e	xplain any ans	wers in Rem	arks.)		

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

Hydrophytic Vegetation Pres	sent?	Yes		No	<u>x</u>							
Hydric Soil Present?	_	Yes		No	<u>X</u>		npled Area					
Wetland Hydrology Present	?	Yes		No	x	within a V	Vetland?	Yes	No	X		
Remarks:												
This point was determin	ed not to be	within a wet	land du	e to the la	ack of all thr	ee wetland c	riteria.					
IYDROLOGY												
Wetland hydrology Ind	icators:							Secondary Indicato	ors (minimum of	two required)		
Primary Indicators (mini	mum of one	is required;	check a	all that app	oly)			Surface Soil	Cracks (B6)			
Surface Water (A1)					c Fauna (B1	3)		Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)					eposits (B1	5) (LRR U)		Drainage Pa	tterns (B10)			
Saturation (A3)					gen Sulfide	Odor (C1)		Moss Trim L	ines (B16)			
Water Marks (B1)				Oxidize	ed Rhizospł	neres on Livii	ng Roots(C3)	Dry-Season	Dry-Season Water Table (C2)			
Sediment Deposit	s (B2)			Preser	ice of Redu	ced Iron (C4)		Crayfish Bur	rows (C8)			
Drift Deposits (B3)			Recent	t Iron Reduc	tion in Tilled	Soils (C6)	Saturation V	isible on Aerial I	magery (C9)		
Algal Mat or Crus	: (B4)			Thin M	luck Surface	e (C7)		Geomorphic Position (D2)				
Iron Deposits (B5)			Other (Explain in F	Remarks)		Shallow Aquitard (D3)				
Inundation Visible	on Aerial Im	nagery (B7)		_				FAC-Neutral	Test (D5)			
Water-Stained Le	aves (B9)							Sphagnum r	noss (D8) (LRR	T, U)		
Field Observations:												
Surface Water Present?	Yes	No	х	Dep	th (inches):	N/A						
Water Table Present?		No			th (inches):							
Saturation Present?	Yes				th (inches):		Wetland H	ydrology Present?	Yes	No X		
(includes capillary fringe)					· · ·							
Describe Recorded Data	a (stream da	uge, monito	rina wel	ll. aerial p	hotos, previ	ous inspectio	ons), if available					
	. (g	,	·····, բ····		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Remarks:												

					Dominance Test v	vorkabaati			
		Absolute		Indicator					
Tree Stratum (Plot size:	<u>30 ft.</u>)	% cover	Species?	Status	Number of Domina	•			
					That Are OBL, FAC	W, or FAC:		1	(A)
2			·						
3					Total Number of Do			_	
4					Species Across All	Strata:		3	(B)
5									
6					Percent of Dominal	nt Species			
			= Total Cover		That Are OBL, FAC	W, or FAC:	3	3%	(A/B)
	50% of total cover:		20% of total cover:						
Sapling Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index	Worksheet:			
1. None Observed			<u> </u>		Total %	Cover of:		Multiply by:	
2			<u> </u>		OBL species	0	x 1 =	0	
3					FACW species	0	x 2 =	0	
4					FAC species	95	x 3 =	285	
5					FACU species	40	x 4 =	160	
6					UPL species	35	x 5 =	175	
			= Total Cover		Column Totals:	170	(A)	620	(B)
	50% of total cover:		20% of total cover:						
Shrub Stratum (Plot size:	30 ft.)				Prevalence	e Index = B/A =		3.65	
1. None Observed									
2.					Hydrophytic Vege	tation Indicato	rs:		
3.						Test for Hydropl		etation	
4.						ance Test is >5(
5.					3 - Preval	ence Index is ≤ 3	3.0 ¹		
6						tic Hydrophytic V		n ¹ (Explain)	
··			= Total Cover				, ogotalloi	. (_,,p.a)	
			20% of total cover:		¹ Indicators of hydri	c soil and wetlar	nd hydrolc	av must	
Herb Stratum (Plot size:	30 ft.)		2070 01 10141 00001.		be present, unless				
1. Andropogon gerardii	<u> </u>	75	Yes	FAC	Definitions of Five				
2. Dichanthelium aciculare		40	Yes	FACU	Tree - Woody plan			c.	
3. Rosa bracteata		35	Yes	UPL	approximately 20 ft	-	-		
		20	No						
4. <u>Pinus taeda</u>		20	NO	FAC	(7.6 cm) or larger in		ast neigh	II (ОВП).	
5			·		Sapling - Woody p	lants excluding	woody vi	nes	
6			·		approximately 20 ft				
7					than 3 in. (7.6 cm)		Theight a	101000	
8			·			bbn.			
9			·		Shrub - Woody pla	excluding w	woody ving	26	
10			·		approximately 3 to		-	55,	
11			·		approximately 5 to	2011 (1100111)1	in neight.		
			= Total Cover		Herb - All herbaced	aug (non woody)) planta ir	aduding	
	50% of total cover:	85	20% of total cover:	34		(),	, , ,	0	
Woody Vine Stratum (Plot size:	<u>30 ft.</u>)				herbaceous vines,	0		•	
1. None Observed					plants, except wood		an approx	Imately	
2			·		3 ft (1 m) in height.				
3									
4					Woody vine - All w	loody vines, rega	ardless of	height.	
5			<u> </u>						
			= Total Cover		Hydrophytic				
	50% of total cover:		20% of total cover:		Vegetation				
					Present?	Yes	No	<u>x</u>	
Remarks: (if observed, list mor	phological adaptatio	ons below).							
Remarks: (if observed, list mor No positive indication of hydrop				species index	ked as FAC− or drier).				

	epth	Matrix			Redox F	eatures			
0-16 10YR 5/8 95 10YR 6/1 5 D M Clay Leam	nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
Ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histicsol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedion (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR P) Reduced Vertic (F18) (outside MLRA 151) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F2) Piedmont Floodplain Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Depressions (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mart (F10) (LRR U) Other (Explain in Remarks) Depleted Bod Dark Surface (A11) Depleted Ochric (F17) (MLRA 151) Thro-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation an wetland hydrophytic								Clav Loam	
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S8) (LRR S, T, U) 2 cm Muck (A9) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 16 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Corbric (F17) (MLRA 151) 3 Indicators of hydrophytic vegetation an wetland hydrology must be present, unl disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) 3 Indicators (153C) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) 3 Indicators of hydrophydic vegetation an wetland hydrology must be pr	<u> </u>								
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							Location. 1		
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 15 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, 10) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Muck Y Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Indicators of hydrophytic vegetation an wetland hydrology must be present, unl disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 151) Sandy Mucky (S6) Piedmont Floodplain Soils (F19) (MLRA 149A, 153C, 153D) Sardy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:		• • •		-					
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 15 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, 10) Stratified Layers (A6) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation an wetland hydrology must be present, unl disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Type:		. ,							
Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thrick Dark Surface (A12) Thor-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation an wetland hydrology must be present, unl disturbed or problematic. Sandy Gleved Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Histic E	pipedon (A2)		Thin D	ark Surface	e (S9) (LRR S, 1	r, U)	2 cm Muck (A10	D) (LRR S)
Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Leamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation an wetland hydrology must be present, uni disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Leamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:	Black H	listic (A3)		Loamy	Mucky Mir	neral (F1) (LRR	O)	Reduced Vertic	(F18) (outside MLRA 150A,I
Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation an wetland hydrology must be present, uni disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:	Hydrog	en Sulfide (A4)		Loamy	Gleyed Ma	atrix (F2)		Piedmont Flood	plain Soils (F19) (LRR P, S, 1
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation an wetland hydrology must be present, unl disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:					-	. ,			
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation an wetland hydrology must be present, unl disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:			о т ну						
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) "indicators of hydrophytic vegetation an wetland hydrology must be present, unl disturbed or problematic." Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) "indicators of hydrophytic vegetation an wetland hydrology must be present, unl disturbed or problematic." Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) stripped Matrix (S6) Stripped Matrix (S6) Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X eemarks: "incicates"						. ,			
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Indicators of hydrophytic vegetation an wetland hydrology must be present, unl disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unl disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) stripped Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X eemarks: Present? Yes No X						. ,			
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation an wetland hydrology must be present, unl disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unl disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) No estrictive Layer (if observed): Type: No X Type:	Muck P	resence (A8) (LRR l	1)	Redox	Depression	ns (F8)			, ,
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation an wetland hydrology must be present, unl disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unl disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) wetland hydrology must be present, unl disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) etain floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X marks: Wetric Soil Present? Yes No X	1 cm M	uck (A9) (LRR P, T)		Marl (F	10) (LRR I	(L		Other (Explain i	n Remarks)
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unl disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Deplete	d Below Dark Surfac	ce (A11)	Deplet	ed Ochric (F11) (MLRA 15	1)		
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unl disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Thick D	ark Surface (A12)		Iron-Ma	anganese N	Aasses (F12) (I	-RR O. P. T)	³ Indicators of h	nydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X emarks: Image: No X		()	MI RA 150A					wetland hydro	logy must be present, unless
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Image: Compare the second s				·	•		0)	disturbed or pr	roblematic.
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X emarks: Image: No X		• • • •	LKK 0, 3j						
Stripped Matrix (S6)	-								
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X emarks:	Sandy I	Redox (S5)		Piedmo	ont Floodpl	ain Soils (F19) ((MLRA 149A)		
estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X emarks:	Strippe	d Matrix (S6)		Anoma	lous Bright	Loamy Soils (F	20) (MLRA 14	9A, 153C, 153D)	
estrictive Layer (if observed): Type: Depth (inches): No X emarks:	Dark St	urface (S7) (LRR P. S	S. T. U)						
	Doput (iii								
o positive indication of hydric soils was observed.	emarks:								
	o positive ii	ndication of hydric so	oils was obse	erved.					

Project/Site:	Harvey Site					Parish:	West Feliciana			Sampling D)ate: N	March	8, 2018		
Applicant/Owner:		Baton Rouge Area Chamber					State: Louis			Sample Po	oint:	SL	.19		
Investigator(s):	В	. McNat	b	and T. Jones			Section, 7	Section, Township, Range:			Section 43, Township 4 South, Range 2 V			2 West	
Landform (hillslope, te	errace, e	etc.):		Hilltop			Local reli	ef (cor	ncave, convex,	none):	Convex	Slope (%):		0-5	
Subregion (LRR or MI	LRA):			LRR P			Lat:	30	.725233°	Long:	-91.314484°	Datum:		NAD83	
Soil Map Unit Name:					#N	I/A				NWI Cla	assification:		None	9	
Are climatic / hydrolog	jic cond	itions or	n the sit	e typical for this	time of ye	ear?	(Yes / No)	Yes	(if no, ex	plain in Rema	arks.)			
Are Vegetation	No	,Soil	No	or Hydrology	No	sign	ificantly dist	urbed?	? Are "Norma	al Circumstar	nces" present	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology	No	natu	rally probler	natic?	(If needed, ex	plain any ans	wers in Rem	arks.)		
				- -				!			4			- 4 -	

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

Hydrophytic Vegetation Present?	Yes	No <u>X</u>	_					
Hydric Soil Present?	Yes							
Wetland Hydrology Present?	Yes	No <u>X</u>	within a Wetland?	Yes No <u>X</u>				
Remarks:								
This point was determined not to	be within a wetland d	ue to the lack of	all three wetland criteria.					
IYDROLOGY								
Wetland hydrology Indicators	:			Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of	Surface Soil Cracks (B6)							
Surface Water (A1)		Aquatic Fau	na (B13)	Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)			ts (B15) (LRR U)	Drainage Patterns (B10)				
Saturation (A3)		Hydrogen Si	ulfide Odor (C1)	Moss Trim Lines (B16)				
Water Marks (B1)		Oxidized Rh	izospheres on Living Roots(C	C3) Dry-Season Water Table (C2)				
Sediment Deposits (B2)		Presence of	Reduced Iron (C4)	Crayfish Burrows (C8)				
Drift Deposits (B3)		Recent Iron	Reduction in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)		Thin Muck S	Surface (C7)	Geomorphic Position (D2)				
Iron Deposits (B5)			in in Remarks)	Shallow Aquitard (D3)				
Inundation Visible on Aeri	al Imagery (B7)		,	FAC-Neutral Test (D5)				
Water-Stained Leaves (B				Sphagnum moss (D8) (LRR T, U)				
(- /							
Field Observations:								
	No <u>X</u>		·					
	No <u>X</u>							
	No	Depth (inc	ches): <u>>20</u> Wetla	and Hydrology Present? Yes No <u>X</u>				
(includes capillary fringe)								

No positive indication of wetland hydrology was observed.

Sampling Point:

SL19

	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: 30 ft.)	% cover	Species?	Status	Number of Dominant Species
1. Quercus alba	50	Yes	FACU	That Are OBL, FACW, or FAC: 4 (A)
2. Quercus falcata	50	Yes	FACU	
3. Carpinus caroliniana	40	Yes	FAC	Total Number of Dominant
4. Magnolia grandiflora	30	No	FAC	Species Across All Strata: 8 (B)
5. Quercus nigra	25	No	FAC	
6.				Percent of Dominant Species
· · · · · · · · · · · · · · · · · · ·	195	= Total Cover		That Are OBL, FACW, or FAC: 50% (A/B)
50% of total cover:		20% of total cover:	39	
Sapling Stratum (Plot size: 30 ft.)		2070 01 10101 00701.		Prevalence Index Worksheet:
1. Carpinus caroliniana	25	Yes	FAC	Total % Cover of: Multiply by:
2. Quercus nigra	10	Yes	FAC	OBL species 0 x 1 = 0
3				FACW species 0 x 2 = 0
4		·		FAC species 160 x 3 = 480
5				FACU species 145 x 4 = 580
6		·		UPL species $5 \times 5 = 25$
0	35	= Total Cover		Column Totals: 310 (A) 1085 (B)
50% of total cover:		20% of total cover:	7	
<u>Shrub Stratum</u> (Plot size: 30 ft.)	11.5		1	Prevalence Index = B/A = 3.50
1. Ligustrum sinense	30	Yes	FAC	
2. Callicarpa americana	15	Yes	FACU	Hydrophytic Vegetation Indicators:
/	15	103	TAGO	1 - Rapid Test for Hydrophytic Vegetation
3		<u> </u>		2 - Dominance Test is >50%
4		·		
5		·		<u>3</u> - Prevalence Index is $\leq 3.0^{1}$
6				Problematic Hydrophytic Vegetation ¹ (Explain)
		= Total Cover	•	1
	22.5	20% of total cover:	9	Indicators of hydric soil and wetland hydrology must
<u>Herb Stratum</u> (Plot size: <u>30 ft.</u>)		X	54.011	be present, unless disturbed or problematic.
1. Callicarpa americana	30	Yes	FACU	Definitions of Five Vegetation Strata:
2. <u>Trillium ludovicianum</u>	5	No	UPL	Tree - Woody plants, excluding woody vines,
3		<u> </u>		approximately 20 ft (6m) or more in height and 3 in.
4		<u> </u>		(7.6 cm) or larger in diameter at breast height (DBH).
5		<u> </u>		Sapling - Woody plants, excluding woody vines,
6		<u> </u>		approximately 20 ft (6 m) or more in height and less
7		·		than 3 in. (7.6 cm) DBH.
8		<u> </u>		
9		<u> </u>		Shrub - Woody plants, excluding woody vines,
10		·		approximately 3 to 20 ft (1 to 6 m) in height.
11		<u> </u>		approximately 5 to 20 it (1 to 6 iii) in height.
		= Total Cover	_	Herb - All herbaceous (non-woody) plants, including
50% of total cover:	17.5	20% of total cover:	7	herbaceous vines, regardless of size, and woody
Woody Vine Stratum (Plot size: <u>30 ft.</u>)				plants, except woody vines, less than approximately
1. None Observed		<u> </u>		
2		<u> </u>		3 ft (1 m) in height.
3		<u> </u>		Woody vine - All woody vines, regardless of height.
4				woody vine - All woody vines, regardless of height.
5				
		= Total Cover		Hydrophytic
50% of total cover:		20% of total cover:		Vegetation
				Present? Yes <u>No X</u>
Remarks: (if observed, list morphological adaptatio	ns below).			
No positive indication of hydrophytic vegetation was	observed	(≥50% of dominant s	pecies index	ked as FAC− or drier).

0-16 10YR 5/4 100 None	epth	Matrix	0/			Features	Loc ²	Tastura	Demente
wrpe: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. wrpe: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. wrpe: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ¹ Location: PL=Pore Lining, M=Matrix. wrpe: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ¹ Location: PL=Pore Lining, M=Matrix. wrpe: C=Concentration, D=Depletion, RM=Reduced Matrix Surface (S8) (LRR S, T, U) Indicators for Problematic Hydric Soils ³ : Histics (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (utside MLRA 150A Hydrogen Sulfide (A4) Loamy Oleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Granic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Muck (A9) (LRR P, T) Med (F10) (LRR U) Celeted Matrix (F1) Metra (T10) (LRR U) 1 cm Muck (A9) (LRR P, T) Mard (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) disturbed or problematic.	iches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹		Texture	Remarks
rdric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicutors of hydrophytic vegetation and wetand hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Hydric Soil Present? Yes No Strippet (inches):	0-16	10YR 5/4	100	None				Silty Clay Loam	
rdric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicutors of hydrophytic vegetation and wetand hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Hydric Soil Present? Yes No Strippet (inches):							<u> </u>	·	
rdric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicutors of hydrophytic vegetation and wetand hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Hydric Soil Present? Yes No Strippet (inches):									
rdric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicutors of hydrophytic vegetation and wetand hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Hydric Soil Present? Yes No Strippet (inches):							<u> </u>		
rdric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicutors of hydrophytic vegetation and wetand hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Hydric Soil Present? Yes No Strippet (inches):								·	
rdric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicutors of hydrophytic vegetation and wetand hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Hydric Soil Present? Yes No Strippet (inches):									
rdric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicutors of hydrophytic vegetation and wetand hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Hydric Soil Present? Yes No Strippet (inches):									
rdric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicutors of hydrophytic vegetation and wetand hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Hydric Soil Present? Yes No Strippet (inches):	vpe: C=C	oncentration. D=Dep	letion. RM=	Reduced Matrix. M	S=Masked	Sand Grains.	² Location:	PL=Pore Lining, M=Matri	Х.
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Hydrogen Suffide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Y Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil P						•	RSTIN		
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (F3) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) No X Depleted Onchric (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) No X marks: <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thro-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Stripped Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X No X emarks: Hydric Soil Present? Yes No X No X									
Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thrick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delted Ochric (F13) (MLRA 150A, 150B) Stripped Matrix (S4) Sandy Redox (S5) Piedmont Floodplain Soils (F12) (MLRA 149A) disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped (ff observed): Type:					-		0)		
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:					-				
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:				Deplet	ed Matrix ((F3)		Anomalous Brig	ht Loamy Soils (F20)
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR O, P, T) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Organic	Bodies (A6) (LRR I	P, T, U)	Redox	Dark Surfa	ace (F6)		(MLRA 153B)	
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR O, P, T) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) #utric Soil Present? Yes No X emarks: marks:	5 cm M	ucky Mineral (A7) (L	RR P, T, U)	Deplet	ed Dark Su	urface (F7)		Red Parent Mat	erial (TF2)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR O, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X	Muck P	resence (A8) (LRR I	J)	Redox	Depressio	ons (F8)		Very Shallow D	ark Surface (TF12)
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) No Estrictive Layer (if observed): Type: No X Type: No X Depth (inches): No X	1 cm M	uck (A9) (LRR P, T)		Marl (F	10) (LRR	U)		Other (Explain i	n Remarks)
	Deplete	ed Below Dark Surface	ce (A11)	Deplet	ed Ochric	(F11) (MLRA 15	1)		
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Depth (inches): No X	Thick D	ark Surface (A12)		Iron-M	anganese	Masses (F12) (I	_RR O, P, T)	³ Indicators of I	ydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Estrictive Layer (if observed): Type: Type: No Depth (inches): No X		. ,	MLRA 150						
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Strippe: Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) No X Yes Matrix (MLRA 149A, 153C, 153D) No Strippe: Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): No X Pemarks: Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D)				·	`		-,	disturbed or p	roblematic.
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Image: Comparison of the system			LINIX 0, 0)				A 150P)		
Stripped Matrix (S6)							-		
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X emarks:							-		
estrictive Layer (if observed): Type: Depth (inches): NoX emarks:				Anoma	alous Brigh	it Loamy Soils (F	20) (MLRA 14	9A, 153C, 153D)	
Type: Hydric Soil Present? Yes NoX									
	estrictive	Layer (if observed)					Hydr	ic Soil Present? Yes	No X
p positive indication of hydric soils was observed.	estrictive	Layer (if observed)					Hydr	ric Soil Present? Yes	No X
positive indication of hydric soils was observed.	estrictive	Layer (if observed)					Hydr	ic Soil Present? Yes	No X
	estrictive Type: Depth (in	Layer (if observed)					Hydr	ic Soil Present? Yes	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes _	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes _	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes _	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes _	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes _	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ric Soil Present? Yes _	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	served.			Hydr	ric Soil Present? Yes _	NoX
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	served.			Hydr	ric Soil Present? Yes _	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	served.			Hydr	ric Soil Present? Yes _	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes _	NoX
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	served.			Hydr	ric Soil Present? Yes _	No <u>X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes _	NoX
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	NoX
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	NoX
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	NoX
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	NoX
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	NoX
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	NoX
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	<u>No X</u>
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	NoX
	Estrictive Type: Depth (in Emarks:	Layer (if observed)	: 	erved.			Hydr	ic Soil Present? Yes	NoX

VVE	ILAND DE				iantic and Gu	in Coasta	ai Plain Re	gion	
Project/Site:	Hai	rvey Site		Parish:	West Felio	ciana	Sampling	Date:	March 8, 2018
Applicant/Owner:	В	aton Rouge	Area Chamber		State:	Louisiana	aSample P	oint:	SL20
Investigator(s): B	. McNabb	and	T. Jones	Section, T	ownship, Range:	Sec	tion 43, Town	ship 4 South,	Range 2 West
Landform (hillslope, terrace, e	etc.):	Depre	ession	Local relie	ef (concave, convex	x, none):	Concave	Slope (%):	0-5
Subregion (LRR or MLRA):	-	LR	RP	Lat:	30.724340°	Long:	-91.314444	° Datum	n: NAD83
Soil Map Unit Name:			#N/A			NWIC	Classification:		None
Are climatic / hydrologic conc	litions on the s	ite typical for	this time of year?	(Yes / No) Yes	(if no, e	explain in Rer	narks.)	
Are Vegetation No	,Soil No	,or Hydrol	ogy No sign	ificantly distu	irbed? Are "Norm	nal Circumsta	ances" preser	t? Yes	X No
Are Vegetation No	,Soil No	,or Hydrol	ogy No natu	arally problem	natic?	(If needed, e	explain any ar	swers in Ren	narks.)
SUMMARY OF FIND	NGS - Atta	ach site m	nap showing s	ampling p	point location	s, transe	cts, impo	rtant featu	ıres, etc.
Hydrophytic Vegetation Pres Hydric Soil Present? Wetland Hydrology Present	Ye	res X res X res X		Is the	e Sampled Area n a Wetland?	Ŷ	/es <u>X</u>	No	
Remarks:									
This point was determin	ed to be within	a wetland dເ	ue to the presence o	f all 3 wetland	l criteria.				
HYDROLOGY									
Wetland hydrology Ind	licators:					Secon	dary Indicator	s (minimum o	of two required)
Primary Indicators (mini	mum of one is	required; che	eck all that apply)				Surface Soil C	Cracks (B6)	
Surface Water (A	1)		Aquatic Faun	ia (B13)			Sparsely Vege	etated Concav	ve Surface (B8)
High Water Table	: (A2)		Marl Deposite	s (B15) (LRR	U)	Х	Drainage Patt	erns (B10)	
X Saturation (A3)			Hydrogen Su	,	,		Moss Trim Lir	nes (B16)	
Water Marks (B1))		Oxidized Rhi	zospheres on	Living Roots(C3)		Dry-Season V	/ater Table (C	22)
Sediment Deposi	ts (B2)		Presence of I	Reduced Iron	(C4)		Crayfish Burro	ows (C8)	
X Drift Deposits (B3)		Recent Iron F	Reduction in 1	Filled Soils (C6)		Saturation Vis	ible on Aerial	Imagery (C9)
Algal Mat or Crus	t (B4)		Thin Muck S	urface (C7)			Geomorphic F	Position (D2)	
Iron Deposits (B5)		Other (Explai	in in Remarks	s)		Shallow Aquit	ard (D3)	
Inundation Visible	on Aerial Imag	gery (B7)				X	FAC-Neutral	Fest (D5)	
X Water-Stained Le	aves (B9)						Sphagnum m	oss (D8) (LRI	₹ T, U)
Field Observations:									
Surface Water Present?	Yes	No No	K Depth (inc	hes): N/A					
Water Table Present?	Yes	No No	K Depth (inc	hes): >20					
Saturation Present? (includes capillary fringe)	Yes X	No	Depth (inc	hes): <u>nput De</u>	epti Wetland	Hydrology	Present?	Yes X	No
Describe Recorded Data	a (stream gaug	je, monitorinç	g well, aerial photos,	previous insp	l bections), if availab	ole:			
Remarks:									
A positive indication of v	vetland hydrolo	ogy was obse	rved (at least one pr	imary indicate	or).				
A positive indication of v	<i>i</i> euana nyarolo	iyy was odse	nved (at least two se	condary Indic	iauurs).				

SL20	
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		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominant Species		
1. Carpinus caroliniana		50	Yes	FAC	That Are OBL, FACW, or FAC:	5	(A)
2. Quercus nigra		40	Yes	FAC	,		
3. Quercus texana		30	No	FACW	Total Number of Dominant		
4. Magnolia grandiflora		30	No	FAC	Species Across All Strata:	5	(B)
5. Platanus occidentalis		20	No	FACW			_ (2)
6.		20		17.017	Percent of Dominant Species		
0		170	= Total Cover		That Are OBL, FACW, or FAC:	100%	(A/B)
	50% of total cover:		20% of total cover:	34	matric Obe, i Aow, of i Ao.	10078	(7,0)
Conling Stratum (Plat size)		00			Prevalence Index Worksheet:		
Sapling Stratum (Plot size:	<u> </u>	15	Yes	FAC	Total % Cover of:	Multiply by	
1. Carpinus caroliniana		15	Tes	FAC			<u>. </u>
2			·		OBL species 15		
3			·		FACW species 70	x 2 = <u>140</u>	
4			· · · · · · · · · · · · · · · · · · ·		FAC species 135	x 3 = 405	
5			·		FACU species 0	_ x 4 =	
6					UPL species 0	_ x 5 =	
			= Total Cover		Column Totals: 220	(A) 560	(B)
		7.5	20% of total cover:	3			
Shrub Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index = B/A =	= 2.55	
1. None Observed			· · · · · · · · · · · · · · · · · · ·				
2			· · · · · · · · · · · · · · · · · · ·		Hydrophytic Vegetation Indicate		
3					1 - Rapid Test for Hydro	ohytic Vegetation	
4					X 2 - Dominance Test is >	50%	
5					X_3 - Prevalence Index is ≤	3.0 ¹	
6					Problematic Hydrophytic	Vegetation ¹ (Explain)
			= Total Cover				
	50% of total cover:		20% of total cover:		¹ Indicators of hydric soil and wetla	and hydrology must	
Herb Stratum (Plot size:	30 ft.)				be present, unless disturbed or pr	oblematic.	
1. Dichanthelium scoparium		20	Yes	FACW	Definitions of Five Vegetation S	strata:	
2. Juncus acuminatus		10	Yes	OBL	Tree - Woody plants, excluding v	voody vines,	
3. Packera glabella		5	No	OBL	approximately 20 ft (6m) or more i	n height and 3 in.	
4.					(7.6 cm) or larger in diameter at b	reast height (DBH).	
5						. . ,	
6					Sapling - Woody plants, excludin	g woody vines,	
7					approximately 20 ft (6 m) or more	in height and less	
8					than 3 in. (7.6 cm) DBH.		
9.							
10.					Shrub - Woody plants, excluding	woody vines,	
11.			·		approximately 3 to 20 ft (1 to 6 m)	in height.	
···-		35	= Total Cover			-	
	50% of total cover:		20% of total cover:	7	Herb - All herbaceous (non-wood	y) plants, including	
Woody Vine Stratum (Plot size:	30 ft.)	17.0	2070 01 10101 00001.		herbaceous vines, regardless of s	ize, and woody	
1. None Observed	<u> </u>				plants, except woody vines, less t	nan approximately	
			·		3 ft (1 m) in height.		
2			·				
3			· · · · · · · · · · · · · · · · · · ·		Woody vine - All woody vines, re	pardless of height.	
4					···· ·	5 5	
5			= Total Cover		Hydrophytic		
	50% of total cover:				Vegetation		
					-	N -	
					Present? Yes X	_ No	
Remarks: (if observed, list mor	phological adaptatio	ons below)					
A positive indication of hydroph				necies indeve	d as OBL_FACW_or FAC)		
		00001100	so to a dominant s				
A positive indication of hydroph	ytic vegetation was	observed (Prevalence Index is :	≤ 3.00).			

Inches) Cold (most) % Type Loc ² Texture Remain 8-12 10VR 367 85 7.5VR 38 15 C M & PL Stitt 12-16 10VR 661 85 7.5VR 38 15 C M & PL Stitt 12-16 10VR 661 100 None		rix	Rec	dox Features			
8-12 10YR 6/6 85 7.5YR 5/6 15 C M Sand 12-16 10YR 6/1 100 None		<u>) % C</u>	olor (moist) %	5 Type ¹	Loc ²	Texture	Remarks
12-16 10YR 6/1 100 None	<u>0-8 10YR 3/2</u>	<u>85</u>	7.5YR 5/8 15	5 <u>C</u>	M & PL	Silt	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains, ² Location: PL=Pore Lining, M=Matrix, hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric So Histics Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside M Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (I Granic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (I Muck Presence (A8) (LRR U) Redox Dark Surface (F7) Red Parent Material (TF2) Muck Almeral (A7) (LRR P, T, U) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F13) (LRR O, P, T) ³ Indicators of hydrophytic vegeta wetland hydrology must be presulantly wetland hydrology must be presulantly wetland hydrology must be presulantly (S6) Pielomont Floodplain Soils (F19) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 1510, Isomal Soils (F20) (MLRA 149A), 153C, 153D) Sandy Redx (S5) Sandy Redx (S5) Pielomont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (3-12 10YR 6/6	<u>85</u>	7.5YR 5/8 15	5 <u> </u>	M	Sand	
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric So Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histo Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MI Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	2-16 10YR 6/1	100	None			Sand	
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric So Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histo: Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MI Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Redox Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, U) Redox Daressons (F8)							
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric So Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histo: Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MI Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Redox Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, U) Redox Daressons (F8)							
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric So Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histo Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MI Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Redox Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, U) Redox Daressons (F8)							
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric So Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histo Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MI Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Redox Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, U) Redox Daressons (F8)							
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric So Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histo: (A3)	ne: C=Concentration D=	Depletion PM-Red	uced Matrix MS-Ma	sked Sand Grains	² Location: PL	-Pore Lining M-Matr	
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MI Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Tron-Manganese Masses (F12) (LRR O, P, T) Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) 3 Indicators of hydrophytic vegeta wetland hydrology must be presudistic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) 3 Indicators of nydrophytic vegeta wetland hydrology must be presudistic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegeta wetland hydrology must be presudistic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (LUCAUUII. FL-		
Histic Epipedon (A2)	• •	pplicable to all LRP	-				
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside Mi Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (T112) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegeta wetland hydrology must be pressidisturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F19) (MLRA 150A) Stripped Matrix (S6) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A), 153C, 153D) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No No emarks: Hydric Soil Present? Yes X No No							
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) altrace (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) altrace or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Type: Hydric Soil Present? Yes X No Type:					-		
Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F. Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetar wetland hydrology must be presudisturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) ³ Indicators of problematic. Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Isturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Isturbed, IS3C, IS3D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No No emarks: Hydric Soil Present? Yes X No No	. ,				R O)		. ,.
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegeta wetland hydrology must be prese disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) stripped Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) tisturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Muck No Type:	_Hydrogen Sulfide (A4)		Loamy Gleye	ed Matrix (F2)		Piedmont Floor	dplain Soils (F19) (LRR P, S, '
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegeta wetland hydrology must be preseries disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Stratified Layers (A5)		X Depleted Mat	trix (F3)		Anomalous Brig	ght Loamy Soils (F20)
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) 3 ¹ Indicators of hydrophytic vegeta wetland hydrology must be presed disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be presed disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) sturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) stripped Matrix (S6) Stripped Matrix (S6) Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No eemarks: marks: Mark Surface (S1) Present? Yes X No	_Organic Bodies (A6) (LF	RR P, T, U)	Redox Dark S	Surface (F6)		(MLRA 153B)	
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) ³ Indicators of hydrophytic vegeta Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegeta Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) wetland hydrology must be pressed disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) momalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Type:	5 cm Mucky Mineral (A7	7) (LRR P, T, U)	Depleted Dar	rk Surface (F7)		Red Parent Ma	terial (TF2)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No eemarks: Itorhes	Muck Presence (A8) (LF	RR U)	Redox Depre	essions (F8)		Very Shallow D	ark Surface (TF12)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegeta Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be preserved isturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No estrictive Layer (if observed): Yes Type: Hydric Soil Present? Yes X No	1 cm Muck (A9) (LRR P	γ, T)	Marl (F10) (L	.RR U)		Other (Explain	in Remarks)
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegeta wetland hydrology must be preserved isturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be preserved isturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) wetland hydrology must be preserved isturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) estrictive Layer (if observed): Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:					51)	、 .	,
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be preserved disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Hydric Soil Present? Yes X No Depth (inches): X No						³ Indicators of	hydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No eemarks: No		,		()		wetland hydro	blogy must be present, unless
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Hydric Soil Present? Yes X No Type: Hydric Soil Present? Yes X No						disturbed or p	problematic.
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No Bepth (inches): Hydric Soil Present? Yes X No							
Stripped Matrix (S6)		,4)			-		
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No emarks:							
estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No emarks:			Anomalous B	Bright Loamy Soils ((F20) (MLRA 149A	A, 153C, 153D)	
Type: Depth (inches): Hydric Soil Present? Yes X No emarks:	_ Dark Surface (S7) (LRR	₹ P, S, T, U)					
					Tryune		
		soil was observed.					

Project/Site:		Harvey Site		Parish:	West Feli	ciana	_Sampling Da	ate: Ma	rch 8, 2018	
Applicant/Owner:		Baton Rouge A	rea Chamber		State:	Louisiana	Sample Poi	nt:	SL21	
Investigator(s):	B. McNabl	and	T. Jones	Section, T	ownship, Range:	Section	on 43, Townsh	nip 4 South, Ra	nge 2 West	
Landform (hillslope,	terrace, etc.):	Depres	Depression		ef (concave, conve	k, none):	Concave	Slope (%):	0-5	
Subregion (LRR or M	/ILRA):	LRF	P	Lat:	30.726111°	Long:	-91.314293°	Datum:	NAD83	
Soil Map Unit Name			#N/A	NWI Class			assification:	ssification: None		
Are climatic / hydrolo	ogic conditions on	the site typical for t	his time of year?	(Yes / No) Yes	(if no, ex	kplain in Rema	arks.)		
Are Vegetation	No_,Soil	No ,or Hydrold	ogy <u>No</u> sign	nificantly distu	urbed? Are "Norm	nal Circumsta	nces" present?	Yes X	No	
Are Vegetation	No_,Soil	No ,or Hydrold	ogy <u>No</u> natu	urally problem	natic?	(If needed, ex	plain any ans	wers in Remark	(s.)	
SUMMARY OF	FINDINGS -	Attach site m	ap showing s	ampling p	point location	s, transec	ts, importa	ant feature	s, etc.	

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes X Yes X	No No No	Is the Sampled Area within a Wetland?	Yes <u>X</u> No			
Remarks:							
This point was determined to be	within a wetland du	e to the presence of all 3	3 wetland criteria.				
HYDROLOGY							
Wetland hydrology Indicators:				Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of c	ne is required; che	ck all that apply)		Surface Soil Cracks (B6)			
X Surface Water (A1)	-	Aquatic Fauna (B	13)	Sparsely Vegetated Concave Surface (B8)			
X High Water Table (A2)	-	Marl Deposits (B1	5) (LRR U)	Drainage Patterns (B10)			
X Saturation (A3)	-	Hydrogen Sulfide	Odor (C1)	Moss Trim Lines (B16)			
Water Marks (B1)	-	Oxidized Rhizosp	heres on Living Roots(C3)	Dry-Season Water Table (C2)			
Sediment Deposits (B2)		Presence of Redu	iced Iron (C4)	Crayfish Burrows (C8)			
Drift Deposits (B3)	-	Recent Iron Redu	ction in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	<u>-</u>	Thin Muck Surfac	e (C7)	Geomorphic Position (D2)			
Iron Deposits (B5)	<u>-</u>	Other (Explain in	Remarks)	Shallow Aquitard (D3)			
Inundation Visible on Aeria	al Imagery (B7)			X FAC-Neutral Test (D5)			
X Water-Stained Leaves (B9	')			Sphagnum moss (D8) (LRR T, U)			
Field Observations:							
Surface Water Present? Yes	X No	Depth (inches)	2				
Water Table Present? Yes			12				
Saturation Present? Yes (includes capillary fringe)	X No	Depth (inches)	0-12 Wetland H	lydrology Present? Yes <u>X</u> No			

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

Remarks:

A positive indication of wetland hydrology was observed (at least one primary indicator).

Sampling Point:

SL21

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30 ft.</u>)	% cover	Species?	Status	Number of Dominant Species
1. Carpinus caroliniana	50	Yes	FAC	That Are OBL, FACW, or FAC: 5 (A)
2. Quercus nigra	40	Yes	FAC	
3. Quercus texana	30	No	FACW	Total Number of Dominant
4. Magnolia grandiflora	30	No	FAC	Species Across All Strata: 5 (B)
5. Platanus occidentalis	20	No	FACW	
6.				Percent of Dominant Species
	170	= Total Cover		That Are OBL, FACW, or FAC: 100% (A/B)
50% of total cove		20% of total cover:	34	
Sapling Stratum (Plot size: <u>30 ft.</u>)		20/00/00/00/00/00/00/00/00/00/00/00/00/0		Prevalence Index Worksheet:
1. Carpinus caroliniana	15	Yes	FAC	Total % Cover of: Multiply by:
				OBL species 15 x 1 = 15
2		·		FACW species 70 x 2 = 140
3		·		FAC species $135 \times 3 = 405$
4		<u> </u>		· · · · · · · · · · · · · · · · · · ·
5		·	······	· · · · · · · · · · · · · · · · · · ·
6		- <u></u>		UPL species $0 \times 5 = 0$
	-	= Total Cover		Column Totals: 220 (A) 560 (B)
	er: 7.5	20% of total cover:	3	
<u>Shrub Stratum</u> (Plot size: <u>30 ft.</u>)				Prevalence Index = B/A = 2.55
1. None Observed	. <u> </u>	·		
2		·	. <u> </u>	Hydrophytic Vegetation Indicators:
3		·		1 - Rapid Test for Hydrophytic Vegetation
4				X 2 - Dominance Test is >50%
5			. <u> </u>	X 3 - Prevalence Index is $\leq 3.0^1$
6		<u>.</u>		Problematic Hydrophytic Vegetation ¹ (Explain)
		= Total Cover		
50% of total cove	er:	20% of total cover:		¹ Indicators of hydric soil and wetland hydrology must
Herb Stratum (Plot size: 30 ft.)				be present, unless disturbed or problematic.
1. Dichanthelium scoparium	20	Yes	FACW	Definitions of Five Vegetation Strata:
2. Juncus acuminatus	10	Yes	OBL	Tree - Woody plants, excluding woody vines,
3. Packera glabella	5	No	OBL	approximately 20 ft (6m) or more in height and 3 in.
4		· · · · · · · · · · · · · · · · · · ·		(7.6 cm) or larger in diameter at breast height (DBH).
5				
6		· · · · · · · · · · · · · · · · · · ·		Sapling - Woody plants, excluding woody vines,
7		- <u> </u>		approximately 20 ft (6 m) or more in height and less
8		·		than 3 in. (7.6 cm) DBH.
9		<u> </u>		
10.		·		Shrub - Woody plants, excluding woody vines,
11.		·		approximately 3 to 20 ft (1 to 6 m) in height.
	35	= Total Cover		
FOR/ of total activ		20% of total cover:	7	Herb - All herbaceous (non-woody) plants, including
	el. 17.5			herbaceous vines, regardless of size, and woody
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft.</u>)				plants, except woody vines, less than approximately
1. None Observed		·	·	3 ft (1 m) in height.
2	. <u> </u>	·	<u> </u>	
3		·		Woody vine - All woody vines, regardless of height.
4		·		Woody vine - All woody vines, regardless of height.
5	. <u> </u>	·		
		= Total Cover		Hydrophytic
50% of total cove	er:	20% of total cover:		Vegetation
				Present? Yes X No
Remarks: (if observed, list morphological adapta	tions below).			
A positive indication of hydrophytic vegetation wa	as observed (>50% of dominant s	pecies indexe	ed as OBL, FACW, or FAC).
				, - , - <i>p</i>
A positive indication of hydrophytic vegetation wa	as observed (Prevalence Index is :	≤ 3.00).	
	,			

epth	ription: (Describe Matrix			Redox Fe			,	
nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR 4/2	100	None	_			Silty Clay	
2-5	10YR 5/3	100	None	_			Sand	
5-16	10YR 4/2	90	7,5YR 4/6	10	С	PL	Silty Clay	
							<u> </u>	
			Reduced Matrix, M			² Location: P	L=Pore Lining, M=Matrix	
		icable to al	I LRRs, unless oth					ematic Hydric Soils ³ :
Histosol	. ,				urface (S8) (Ll		1 cm Muck (A9)	
	pipedon (A2)				(S9) (LRR S,		2 cm Muck (A10	
	istic (A3)				eral (F1) (LRR	O)		(F18) (outside MLRA 150A,B
	en Sulfide (A4)			Gleyed Mat	. ,		·	plain Soils (F19) (LRR P, S, T
	d Layers (A5)		X Deplete		,			ht Loamy Soils (F20)
`	Bodies (A6) (LRR			Dark Surfac	ce (F6)		(MLRA 153B)	
	ucky Mineral (A7) (L)Deplete	ed Dark Sur	face (F7)		Red Parent Mate	()
Muck P	resence (A8) (LRR	U)		Depression	. ,			rk Surface (TF12)
1 cm Mi	uck (A9) (LRR P, T)		Marl (F	10) (LRR U)		Other (Explain in	n Remarks)
Deplete	d Below Dark Surfa	ce (A11)	Deplete	ed Ochric (F	11) (MLRA 15	1)		
Thick D	ark Surface (A12)		Iron-Ma	anganese M	lasses (F12) (l	LRR O, P, T)		ydrophytic vegetation and
Coast P	rairie Redox (A16)	MLRA 150	A) Umbric	Surface (F	13) (LRR P, T ,	U)	wetland hydrol disturbed or pro	ogy must be present, unless
Sandy M	Mucky Mineral (S1)	(LRR O, S)	Delta C	Chric (F17)	(MLRA 151)		disturbed of pro	
Sandy (Gleyed Matrix (S4)		Reduce	ed Vertic (F	18) (MLRA 15 0)A, 150B)		
Sandy F	Redox (S5)		Piedmo	ont Floodpla	ain Soils (F19)	(MLRA 149A)		
Stripped	d Matrix (S6)		Anoma	lous Bright	Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)	
Dark Su	ırface (S7) (LRR P,	S, T, U)						
estrictive I	_ayer (if observed)	:						
Type:								
Depth (in	ches):					Hydri	c Soil Present? Yes _	<u>X</u> No
emarks:						I		
positive inc	lication of hydric so	l was obser	ved.					

Project/Site:			Harv	/ey Site			Parish:		West Felic	ciana	Sampling E	Date:	March	8, 2018
Applicant/Owner:			Ba	aton Rouge Are	a Chamber State:				te:	Louisiana	Sample Po	pint:	t: SL22	
Investigator(s):	• ()						Section, Township, Range:			Sect	ion 43, Towns	hip 4 South,	Range 2 West	
Landform (hillslope, t	andform (hillslope, terrace, etc.): ubregion (LRR or MLRA):					Depression		Local relief (concave, conve		x, none): Concave		Slope (%):		0-5
Subregion (LRR or M	/LRA):			LRR F			Lat:	30.7	25211°	Long:	-91.312615°	Datum	:	NAD83
Soil Map Unit Name:					#1	N/A				NWI C	lassification:		Non	e
Are climatic / hydrolo	gic cond	itions or	n the sit	e typical for this	s time of y	ear?	(Yes / No)	Yes	(if no, e	xplain in Rem	arks.)		
Are Vegetation	No	,Soil	No	or Hydrology	No No	signi	ificantly distu	urbed?	Are "Norm	nal Circumsta	inces" present	? Yes	Х	No
Are Vegetation	No	,Soil	Yes	or Hydrology	No	natu	rally problem	natic?		(If needed, e	xplain any ans	swers in Rem	narks.)	
SUMMARY OF	FINDI	NGS	- Atta	ch site ma _l	show	ing sa	ampling p	ooint	location	s, transeo	cts, impor	tant featu	res,	etc.

	ytic Vegetation Present?	Yes X	No			
Hydric S	oil Present?	Yes X	No	Is the Sampled Area		
Wetland	Hydrology Present?	Yes X	No	within a Wetland?	Yes <u>X</u> No_	
Remark	s:					
This	point was determined to be	within a wetland due	e to the presence of all 3	wetland criteria.		
	DLOGY					
r	and hydrology Indicators:				Socondan Indicators (minimum	of two required)
	ary Indicators (minimum of c		k all that apply)		Secondary Indicators (minimum Surface Soil Cracks (B6)	
<u></u> X		ine is required, chec	Aquatic Fauna (B1	3)	Sparsely Vegetated Cond	
		-	``	,	Drainage Patterns (B10)	Lave Sullace (DO)
	High Water Table (A2)	-	Marl Deposits (B1			
	Saturation (A3)	-	Hydrogen Sulfide		Moss Trim Lines (B16)	
	Water Marks (B1)	-	Oxidized Rhizosph	eres on Living Roots(C3)	Dry-Season Water Table	(C2)
	Sediment Deposits (B2)	_	Presence of Reduc	ced Iron (C4)	Crayfish Burrows (C8)	
	Drift Deposits (B3)	_	Recent Iron Reduc	tion in Tilled Soils (C6)	Saturation Visible on Aeri	ial Imagery (C9)
	Algal Mat or Crust (B4)	_	Thin Muck Surface	e (C7)	Geomorphic Position (D2	2)
	Iron Deposits (B5)	_	Other (Explain in F	Remarks)	Shallow Aquitard (D3)	
	Inundation Visible on Aeria	al Imagery (B7)	、.		X FAC-Neutral Test (D5)	
	Water-Stained Leaves (B9))			Sphagnum moss (D8) (L	RR T, U)

Field Observations:

Field Observations:											
Surface Water Present?	Yes	х	No		Depth (inches):	8					
Water Table Present?	Yes		No	Х	Depth (inches):	>20					
Saturation Present?	Yes		No	Х	Depth (inches):	>20	Wetland Hydrology Present?	Yes	х	No	
(includes capillary fringe)											

Т

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

Remarks:

A positive indication of wetland hydrology was observed (at least one primary indicator).

	ata) - Use scientif	c names	s of plants.		S	Sampling Point:		SL22	
		Abaaluta	Densin ent	lu dia atau	Dominance Test w	vorksheet:			
		Absolute	Dominant	Indicator					
	<u>30 ft.</u>)	% cover	Species?	Status	Number of Domina	•			
. None Observed			. <u></u>		That Are OBL, FAC	W, or FAC:	3		(A)
k					Total Number of Do	minant			
l					Species Across All	Strata:	3		(B)
5			·			-			
Э					Percent of Dominar	t Species			
			= Total Cover		That Are OBL, FAC	•	100	10/2	(A/B)
	E00/ of total acura		20% of total cover:		That fie ODE, The	w, or 17.0.	100	/0	(/ () ()
			20% of total cover.		Prevalence Index	Worksheet [.]			
apling Stratum (Plot size:	<u> </u>							A 14: I	
None Observed			<u> </u>		Total % (lultiply by:	
2			<u> </u>		OBL species	15	x 1 =	15	
3. <u></u>			. <u> </u>		FACW species	30	x 2 =	60	
4. <u></u>					FAC species	30	x 3 =	90	
5					FACU species	0	x 4 =	0	
)					UPL species	0	x 5 =	0	
			= Total Cover		Column Totals:	75	(A)	165	(B
	50% of total cover:				-		(/		`
hrub Stratum (Plot size:			2070 01 10101 00101.		Prevalence	e Index = B/A =		2.20	
Nama Observad					1 TOVAICTIO			2.20	
			·		Linden a budia Mana	tation Indianta			
2			<u> </u>		Hydrophytic Vege				
3			. <u></u>		·	Test for Hydroph		ation	
4			·			ance Test is >50			
5					X 3 - Prevale	ence Index is ≤ 3	3.0 ¹		
ð					Problemat	ic Hydrophytic \	/egetation ¹	(Explain)	
			= Total Cover						
	50% of total cover:		20% of total cover:		¹ Indicators of hydric	soil and wetlar	nd hydrolog	jy must	
lerb Stratum (Plot size:	30 ft.)				be present, unless	disturbed or pro	blematic.		
. Deviewe winnetwe	,	30	Yes	FAC	Definitions of Five				
2. Cyperus virens		30	Yes	FACW	Tree - Woody plan	-			
human affinana		15	Yes	OBL	approximately 20 ft	-	-		
		10				. ,	0		
ł					(7.6 cm) or larger in	a diameter at bre	ast neight	(DBH).	
5			<u> </u>	<u> </u>					
					Sanling Woody n	onto ovoludina	woodywing	20	
			·		Sapling - Woody pl	-	-		
					approximately 20 ft	(6 m) or more in	-		
7			·			(6 m) or more in	-		
7 3					approximately 20 ft	(6 m) or more in	-		
7 3 9					approximately 20 ft	(6 m) or more ir DBH.	n height and	d less	
7					approximately 20 ft than 3 in. (7.6 cm) I	(6 m) or more ir DBH. nts, excluding w	n height and voody vines	d less	
7 3 9 0		75	= Total Cover		approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla	(6 m) or more ir DBH. nts, excluding w	n height and voody vines	d less	
7 3 9 0			= Total Cover		approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2	(6 m) or more ir DBH. nts, excluding w 20 ft (1 to 6 m) ii	n height and voody vines n height.	d less	
7 3 9 0 1	50% of total cover:		= Total Cover 20% of total cover:		approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2 Herb - All herbaced	(6 m) or more ir DBH. nts, excluding w 20 ft (1 to 6 m) ir pus (non-woody)	n height and voody vines n height.) plants, inc	d less s, cluding	
7 3 9 1 Voody Vine Stratum (Plot siz	50% of total cover:				approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2 Herb - All herbaced herbaceous vines, r	(6 m) or more ir DBH. nts, excluding w 20 ft (1 to 6 m) ir pus (non-woody) regardless of siz	n height and voody vines n height.) plants, inc ze, <u>and</u> woo	d less s, cluding ody	
7	50% of total cover: 20% ft.)				approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2 Herb - All herbaced herbaceous vines, r plants, except wood	(6 m) or more ir DBH. nts, excluding w 20 ft (1 to 6 m) ir pus (non-woody) regardless of siz	n height and voody vines n height.) plants, inc ze, <u>and</u> woo	d less s, cluding ody	
7	50% of total cover: 20% ft.)			15	approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2 Herb - All herbaced herbaceous vines, r	(6 m) or more ir DBH. nts, excluding w 20 ft (1 to 6 m) ir pus (non-woody) regardless of siz	n height and voody vines n height.) plants, inc ze, <u>and</u> woo	d less s, cluding ody	
7 8 9 1 1 <u>Voody Vine Stratum</u> (Plot siz 1. <u>None Observed</u> 2	50% of total cover: :e: <u>30 ft.</u>)			15	approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood 3 ft (1 m) in height.	(6 m) or more ir DBH. 20 ft (1 to 6 m) ii 20 st (1 to 6 m) ii 20 st (non-woody) 20 regardless of siz 21 y vines, less that	n height and voody vines n height.) plants, inc ze, <u>and</u> woo an approxin	d less s, cluding ody nately	
7	50% of total cover: :e: <u>30 ft.</u>)				approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2 Herb - All herbaced herbaceous vines, r plants, except wood	(6 m) or more ir DBH. 20 ft (1 to 6 m) ii 20 st (1 to 6 m) ii 20 st (non-woody) 20 regardless of siz 21 y vines, less that	n height and voody vines n height.) plants, inc ze, <u>and</u> woo an approxin	d less s, cluding ody nately	
7	50% of total cover: :e: <u>30 ft.</u>)				approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2 Herb - All herbaceo herbaceous vines, r plants, except wood 3 ft (1 m) in height.	(6 m) or more ir DBH. 20 ft (1 to 6 m) ii 20 st (1 to 6 m) ii 20 st (non-woody) 20 regardless of siz 21 y vines, less that	n height and voody vines n height.) plants, inc ze, <u>and</u> woo an approxin	d less s, cluding ody nately	
7	50% of total cover: :e: <u>30 ft.</u>)	37.5			approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2 Herb - All herbaced herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All w	(6 m) or more ir DBH. 20 ft (1 to 6 m) ii 20 st (1 to 6 m) ii 20 st (non-woody) 20 regardless of siz 21 y vines, less that	n height and voody vines n height.) plants, inc ze, <u>and</u> woo an approxin	d less s, cluding ody nately	
7	50% of total cover: :e: <u>30 ft.</u>)	37.5	20% of total cover:		approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2 Herb - All herbaced herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All w Hydrophytic	(6 m) or more ir DBH. 20 ft (1 to 6 m) ii 20 st (1 to 6 m) ii 20 st (non-woody) 20 regardless of siz 21 y vines, less that	n height and voody vines n height.) plants, inc ze, <u>and</u> woo an approxin	d less s, cluding ody nately	
6	50% of total cover: :e: <u>30 ft.</u>)	37.5	20% of total cover:		approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2 Herb - All herbaced herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All w Hydrophytic Vegetation	(6 m) or more ir DBH. nts, excluding w 20 ft (1 to 6 m) ir ous (non-woody) regardless of siz dy vines, less that roody vines, rega	n height and voody vines n height.) plants, inc ze, <u>and</u> woo an approxin	d less s, ody nately neight.	
7 3 9 1 1 1 <u>None Observed</u> 2 3 4	50% of total cover: :e: <u>30 ft.</u>)	37.5	20% of total cover:		approximately 20 ft than 3 in. (7.6 cm) I Shrub - Woody pla approximately 3 to 2 Herb - All herbaced herbaceous vines, r plants, except wood 3 ft (1 m) in height. Woody vine - All w Hydrophytic Vegetation	(6 m) or more ir DBH. 20 ft (1 to 6 m) ii 20 st (1 to 6 m) ii 20 st (non-woody) 20 regardless of siz 21 y vines, less that	n height and voody vines n height.) plants, inc ze, <u>and</u> woo an approxin	d less s, ody nately neight.	

A positive indication of hydrophytic vegetation was observed (Prevalence Index is \leq 3.00).

Profile Description: (Describe to the dep Depth Matrix	oth needed to docu		ndicator or co ⁻ eatures	ntirm the absei	nce of indicators.)	
inches) Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
<u> </u>			<u></u>			
					· ·	
					·	
				·	······································	
					·	
<u></u>						
				·	·	
<u></u>					·	
Type: C=Concentration, D=Depletion, RM				² Location: P	L=Pore Lining, M=Matri	
lydric Soils Indicators: (Applicable to a			-			lematic Hydric Soils ³ :
Histosol (A1)	Polyva	alue Below \$	Surface (S8) (L	RR S, T, U)	1 cm Muck (A9)) (LRR O)
Histic Epipedon (A2)	Thin [Dark Surface	e (S9) (LRR S,	T, U)	2 cm Muck (A1	0) (LRR S)
Black Histic (A3)	Loam	y Mucky Mir	neral (F1) (LRR	0)	Reduced Vertic	(F18) (outside MLRA 150A,
Hydrogen Sulfide (A4)	Loam	y Gleyed Ma	atrix (F2)		Piedmont Flood	Iplain Soils (F19) (LRR P, S, 1
Stratified Layers (A5)	Deple	ted Matrix (I	=3)		Anomalous Brig	ght Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U)	Redox	k Dark Surfa	ice (F6)		(MLRA 153B)	
5 cm Mucky Mineral (A7) (LRR P, T, L	J) Deple	ted Dark Su	rface (F7)		Red Parent Mat	terial (TF2)
Muck Presence (A8) (LRR U)		k Depressio				ark Surface (TF12)
1 cm Muck (A9) (LRR P, T)		F10) (LRR	. ,		X Other (Explain i	, ,
Depleted Below Dark Surface (A11)			-, F11) (MLRA 1	51)		in ternance,
Thick Dark Surface (A12)			Masses (F12) (-	³ Indicators of I	hydrophytic vegetation and
Coast Prairie Redox (A12)		-	=13) (LRR P, T			logy must be present, unless
				, 0)	disturbed or p	
Sandy Mucky Mineral (S1) (LRR O, S	·) (MLRA 151)			
Sandy Gleyed Matrix (S4)			18) (MLRA 15			
Sandy Redox (S5)		-	ain Soils (F19)			
Stripped Matrix (S6)	Anom	alous Bright	t Loamy Soils (I	=20) (MLRA 14 9	9A, 153C, 153D)	
Dark Surface (S7) (LRR P, S, T, U)						
Depth (inches):				-		<u>X</u> No
lemarks:						
positive indication of hydric soil was obse	rved					
	i i i i i i i i i i i i i i i i i i i					
ue to inundation a clear soil profile was ur	obtainable. Soils a	re assumed	to be hydric.			

Project/Site:		Harvey Site					Parish:	sh: West Feliciana			Sampling D	ate: I	March	8, 2018	
Applicant/Owner:			Baton Rouge Area Chamber					State: Louisiana		Sample Po	int:	S	L23		
Investigator(s):	В	. McNat	b and T. Jones			s	Section, T	ownsh	ip, Range:	Sect	ion 43, Townsł	nip 4 South, I	Range	e 2 West	
Landform (hillslope, te	errace, e	etc.):		Plain			Local relie	ef (cond	cave, convex	, none):	None	Slope (%):		0-5	
Subregion (LRR or M	LRA):			LRR P			Lat:	30.7	725538°	Long:	-91.311226°	Datum:		NAD83	
Soil Map Unit Name:	- · · · · · · · · · · · · · · · · · · ·				/Α				NWI C	lassification:		Non	е		
Are climatic / hydrolog	gic cond	itions or	n the sit	e typical for this t	time of ye	ear?	(Yes / No)	Yes	(if no, e	xplain in Rema	arks.)			
Are Vegetation	No	,Soil	No	or Hydrology	No	signific	cantly distu	irbed?	Are "Norm	al Circumsta	nces" present?	? Yes	Х	No	
Are Vegetation	No	,Soil	No	,or Hydrology	No	natura	lly problem	natic?		(If needed, e	xplain any ans	wers in Rem	arks.)		
		NCS	Atta	oh cito man	chowi	na cor	nnlina r	aint	locations	tranco	te import	ant faatu	roc	oto	

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes Yes	No	Х	Is the Samp within a We		Yes	NoX
Remarks: This point was determined not to	be within a wetla	nd due to the	lack of hydric	soils and wetla	and hydrology.		
IYDROLOGY Wetland hydrology Indicators	:					Secondary Indicato	ors (minimum of two required)
Primary Indicators (minimum of	one is required; ch	eck all that a	pply)			Surface Soil	
Surface Water (A1)		Aqua	itic Fauna (B1	(B13) Sparsely Vegetated Concave Surface			
High Water Table (A2)		Marl	Marl Deposits (B15) (LRR U) Drainage Patterns (B10)				tterns (B10)
Saturation (A3)		Hydro	ogen Sulfide (Odor (C1)		Moss Trim L	ines (B16)
Water Marks (B1)		Oxidi	zed Rhizosph	neres on Living	Roots(C3)	Dry-Season	Water Table (C2)
Sediment Deposits (B2)		Prese	ence of Reduc	ced Iron (C4)		Crayfish Bur	rows (C8)
Drift Deposits (B3)		Rece	nt Iron Reduc	ction in Tilled Se	oils (C6)	Saturation V	isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Thin	Muck Surface	e (C7)		Geomorphic	Position (D2)
Iron Deposits (B5)		Other	r (Explain in F	Remarks)		Shallow Aqu	itard (D3)
Inundation Visible on Aeri	al Imagery (B7)					FAC-Neutral	Test (D5)
Water-Stained Leaves (B	9)					Sphagnum r	noss (D8) (LRR T, U)
Field Observations:							
	No		epth (inches):				
	No		epth (inches):				
Saturation Present? Yes includes capillary fringe)	No	<u>X</u> De	epth (inches):	>20	Wetland Hyd	rology Present?	Yes <u>No X</u>
Describe Recorded Data (strean	n gauge, monitorin	ıg well, aerial	photos, previ	ous inspections	s), if available:		

SL	23
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		Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	<u>30 ft.</u>)	% cover	Species?	Status	Number of Dominant Species	
1. Quercus falcata		60	Yes	FACU	That Are OBL, FACW, or FAC: (A)	
2. Liquidambar styraciflua		45	Yes	FAC		
3. Quercus alba		30	No	FACU	Total Number of Dominant	
4. Pinus taeda		30	No	FAC	Species Across All Strata: 7 (B)	
5						
6					Percent of Dominant Species	
		165	= Total Cover		That Are OBL, FACW, or FAC: 57% (A/B)	1
	50% of total cover:	82.5	20% of total cover:	33		
Sapling Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index Worksheet:	
1. None Observed					Total % Cover of: Multiply by:	
2.					OBL species 0 x 1 = 0	
3.					FACW species 0 x 2 = 0	
4.					FAC species 165 x 3 = 495	
5					FACU species 155 x 4 = 620	
6			·		UPL species 0 x 5 = 0	
··			= Total Cover			(B)
	50% of total cover		20% of total cover:			. D 7
Shrub Stratum (Plot size:					Prevalence Index = B/A = 3.48	
	<u> </u>	75	Yes	FAC		
1. Ligustrum sinense	<u> </u>	75 60			Hudronhutia Vagatatian Indicatore	_
2. <u>Callicarpa americana</u>	·	00	Yes	FACU	Hydrophytic Vegetation Indicators:	
3					1 - Rapid Test for Hydrophytic Vegetation	
4					X 2 - Dominance Test is >50%	
5					3 - Prevalence Index is $\leq 3.0^1$	
6					Problematic Hydrophytic Vegetation ¹ (Explain)	
			= Total Cover			
		67.5	20% of total cover:	27	¹ Indicators of hydric soil and wetland hydrology must	
Herb Stratum (Plot size:	<u>30 ft.</u>)				be present, unless disturbed or problematic.	
1. Viola bicolor		5	Yes	FAC	Definitions of Five Vegetation Strata:	
2					Tree - Woody plants, excluding woody vines,	
3			·		approximately 20 ft (6m) or more in height and 3 in.	
4					(7.6 cm) or larger in diameter at breast height (DBH).	
5						
6					Sapling - Woody plants, excluding woody vines,	
7					approximately 20 ft (6 m) or more in height and less	
8					than 3 in. (7.6 cm) DBH.	
9						
10.	·		· ·		Shrub - Woody plants, excluding woody vines,	
11.			· ·		approximately 3 to 20 ft (1 to 6 m) in height.	
····	·	5	= Total Cover			
	50% of total cover:		20% of total cover:	1	Herb - All herbaceous (non-woody) plants, including	
Mandu Vina Stratum (Plot size)	-	2.0	20% UI IUIAI COVEL.	<u> </u>	herbaceous vines, regardless of size, and woody	
<u>Woody Vine Stratum</u> (Plot size:	<u>30 ft.</u>)	10	Vac		plants, except woody vines, less than approximately	
1. <u>Smilax rotundifolia</u>			Yes	FAC	3 ft (1 m) in height.	
2. <u>Lonicera japonica</u>	·	5	Yes	FACU		
3					Woody vine - All woody vines, regardless of height.	
4					WOODY VILLE - All WOODY VILLES, regardless of height.	
5						
			= Total Cover		Hydrophytic	
	50% of total cover:	7.5	20% of total cover:	3	Vegetation	
					Present? Yes X No	
Remarks: (if observed, list mor	phological adaptatio	ns below).				-
A positive indication of hydroph	tio vegetation was	-boonund (- 500/ of dominant or	cico indove		
A positive indication of hydroph	iytic vegetation was o	observeu (>50% or dominant sp	ecles inuexe	ed as OBL, FACW, or FAC).	

0.15 10YR 544 95 10YR 58 5 C M Clay Leam 0.16 10YR 544 95 10YR 58 5 C M Clay Leam 0.16 10YR 544 95 0 M Clay Leam 10 10YR 544 95 0 M Clay Leam 10 10YR 544 95 0 M Clay Leam 10 10YR 544 95 0 10 M M M 10YR 544 95 0 10 M	epth nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, F, S, T, U) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T, U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) and cf10) (LRR P, T, U) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) anomalous Bright Loamy Soils (F20) (MLRA 149A) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A) anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U)<			95		5		М	Clay Loam			
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1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) stripped Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X testrictive Layer (if observed): No X Type: No X Depth (inches): No X											
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Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) etal dochric (F17) (MLRA 150A) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) etal dochric (F19) (MLRA 149A) Stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) testrictive Layer (if observed): Type: No X Depth (inches): No X			e (A11)	`		-	(1)		in Kenarks)		
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) testrictive Layer (if observed): Type:	·		0 (/)				-	³ Indicators of	hydrophytic vegetation and		
Sandy Mudcky Mineral (S1) (LRK O, S)			MLRA 1504		-	, , ,					
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Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) testrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Sandy	Gleyed Matrix (S4)		Reduc	ed Vertic (F	18) (MLRA 15 0	DA, 150B)				
Dark Surface (S7) (LRR P, S, T, U) testrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X temarks:											
testrictive Layer (if observed): Type: Depth (inches): NoX temarks:				Anoma	alous Brigh	t Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)			
Depth (inches):	Dark Si	urface (S7) (LRR P, S	S, T, U)								
Depth (inches):											
	estrictive										
	estrictive Type:	Layer (if observed):					Hydric	Soil Present? Yes	No X		
o positive indication of hydric soils was observed.	estrictive Type:	Layer (if observed):					Hydric	: Soil Present? Yes	NoX		
	estrictive Type: Depth (ir	Layer (if observed):					Hydric	: Soil Present? Yes	No X		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	: Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	: Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	: Soil Present? Yes	No X		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	: Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	: Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	: Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	: Soil Present? Yes	NoX		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	NoX		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	NoX		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	NoX		
	estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	NoX		

Project/Site:	Harvey Site	Parish: West Feli	<u>ciana</u> Sampling Date	: March 8, 2018				
Applicant/Owner:	Baton Rouge Area Chamber	State:	Louisiana Sample Point:	SL24				
Investigator(s): B. McNabb	and T. Jones	Section, Township, Range:	Section, Township, Range: Section 43, Township 4 South, Range 2 V					
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, convex	x, none): <u>Concave</u> Sl	ope (%): 0-5				
Subregion (LRR or MLRA):	LRR P	Lat: 30.726355°	Long: -91.310452°	Datum: NAD83				
Soil Map Unit Name:	#N/A		NWI Classification:	None				
Are climatic / hydrologic conditions on the	e site typical for this time of year?	(Yes / No) Yes	(if no, explain in Remarks	s.)				
Are Vegetation No ,Soil N	lo _,or Hydrology <u>No</u> sign	ificantly disturbed? Are "Norn	nal Circumstances" present?	Yes X No				
Are Vegetation No ,Soil N	lo ,or Hydrology No natu	rally problematic?	(If needed, explain any answer	rs in Remarks.)				
SUMMARY OF FINDINGS - A	ttach site map showing s	ampling point location	s, transects, importan	nt features, etc.				
Hydrophytic Vegetation Present?	Yes X No							
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Area						

within a Wetland?

Yes X

No_____

Re	ema	ark	s
110	7111C	11 F	

Wetland Hydrology Present?

This point was determined to be within a wetland due to the presence of all 3 wetland criteria.

Х

Yes

No

HYDROLOGY

Wetland hydrology In	dicators:		Secondary Indicators (minimum of two required)								
Primary Indicators (min	imum of c	one is re		Surface Soil Cracks (B6)							
X Surface Water (A	(1)				Aquatic Fauna (B13)		Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2) Marl Deposits (B15) (LRR U)								Drainage Patterns (B10)			
Saturation (A3) Hydrogen Sulfide Odor (C1)								Moss Trim Lines (B16)			
Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3)						g Roots(C3)	Dry-Season Water Table (C2)				
Sediment Deposits (B2) Presence of Reduced Iron (C4)								Crayfish Burrows (C8)			
Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6)							Soils (C6)	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4) Thin Muc						C7)		Geomorphic Position (D2)			
Iron Deposits (B5) Other (Explain in Remarks						marks)		Shallow Aquitard (D3)			
Inundation Visibl	, e on Aeria	al Image	ery (B7)			,		X FAC-Neutral Test (D5)			
X Water-Stained Lo	eaves (B9)	,					Sphagnum moss (D8) (LRR T, U)			
Id Observations:											
face Water Present?	Yes	Х	No		Depth (inches):	2					
ter Table Present?	Yes		No	Х	Depth (inches):	>20					
uration Present? ludes capillary fringe)	Yes		No	Х	Depth (inches):	>20	Wetland Hyd	drology Present? Yes <u>X</u> No			
Describe Recorded Da	a (stream	i gauge	, monito	ring we	ll, aerial photos, previou	us inspectio	ns), if available:				

Remarks:

A positive indication of wetland hydrology was observed (at least one primary indicator).

		-		
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30 ft.</u>)	% cover	Species?	Status	Number of Dominant Species
1. Quercus nigra	65	Yes	FAC	That Are OBL, FACW, or FAC: 6 (A)
2. Platanus occidentalis	60	Yes	FACW	
3. Quercus texana	30	No	FACW	Total Number of Dominant
4. Carpinus caroliniana	10	No	FAC	Species Across All Strata: 7 (B)
5				
6.				Percent of Dominant Species
	165	= Total Cover		That Are OBL, FACW, or FAC: 86% (A/B)
50% of total	cover: 82.5	20% of total cover	33	
Sapling Stratum (Plot size: 30 ft.)				Prevalence Index Worksheet:
1. Carpinus caroliniana	25	Yes	FAC	Total % Cover of: Multiply by:
2				OBL species 25 x 1 = 25
3				FACW species 105 x 2 = 210
4				FAC species 195 x 3 = 585
5				FACU species 35 x 4 = 140
6				UPL species 0 x 5 = 0
		= Total Cover		Column Totals: 360 (A) 960 (B)
50% of total		20% of total cover	: 5	
<u>Shrub Stratum</u> (Plot size: 30 ft.)	<u> </u>	2070 01 10101 00701		Prevalence Index = B/A = 2.67
1. Ligustrum sinense	70	Yes	FAC	
2				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
4				X 2 - Dominance Test is >50%
5				X 3 - Prevalence Index is $\leq 3.0^{1}$
6				Problematic Hydrophytic Vegetation ¹ (Explain)
0		= Total Cover	·	
50% of total		20% of total cover	: 14	¹ Indicators of hydric soil and wetland hydrology must
Herb Stratum (Plot size: 30 ft.)				be present, unless disturbed or problematic.
1. Parthenocissus quinquefolia	30	Yes	FACU	Definitions of Five Vegetation Strata:
2. Toxicodendron radicans	25	Yes	FAC	Tree - Woody plants, excluding woody vines,
3. Ranunculus sceleratus	25	Yes	OBL	approximately 20 ft (6m) or more in height and 3 in.
4. Dryopteris carthusiana	15	No	FACW	(7.6 cm) or larger in diameter at breast height (DBH).
5. Galium aparine	5	No	FACU	
· · · · · ·				Sapling - Woody plants, excluding woody vines,
6 7				approximately 20 ft (6 m) or more in height and less
				than 3 in. (7.6 cm) DBH.
8 9				
10.				Shrub - Woody plants, excluding woody vines,
11.				approximately 3 to 20 ft (1 to 6 m) in height.
····	100	= Total Cover		
50% of total		20% of total cover	· 20	Herb - All herbaceous (non-woody) plants, including
Woody Vine Stratum (Plot size: 30 ft.				herbaceous vines, regardless of size, and woody
1. None Observed	/			plants, except woody vines, less than approximately
2	_			3 ft (1 m) in height.
3				
4				Woody vine - All woody vines, regardless of height.
			·	
5		= Total Cover		Hydrophytic
50% of total		20% of total cover		Vegetation
				Present? Yes X No
Remarks: (if observed, list morphological ad	antations below)			1
	. ,			
A positive indication of hydrophytic vegetatio	n was observed (>50% of dominant s	pecies indexe	ed as OBL, FACW, or FAC).
A positive indication of hydrophytic vegetatio	n was observed (Prevalence Index is	≤ 3.00).	

0-16 10YR 4/2 90 10YR 5/8 10 C M & PL Clay Loam	0-16 10YR 4/2 90 10YR 5/8 10 C M & PL Clay Loam	0-16 10YR 4/2 90 10YR 5/8 10 C	<u>M & PL</u> <u> <u> </u> <u> </u></u>	Clay Loam	(. ematic Hydric Soils ³ : (LRR O)) (LRR S) (F18) (outside MLRA 150A, olain Soils (F19) (LRR P, S, ` ht Loamy Soils (F20) erial (TF2) irk Surface (TF12)
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) X Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, " Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Anomalous Bright Loamy Soils (F20) 0rganic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Wery Shallow Dark Surface (TF12) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and weldand hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) <td< th=""><th>ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) 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Histosol (A1) Polyvalue Below Surface (S8) (LRR Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) X Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)</th><th>: S, T, U) U))</th><th>Indicators for Proble 1 cm Muck (A9) 2 cm Muck (A10 Reduced Vertic Piedmont Flood Anomalous Brigl (MLRA 153B) Red Parent Mate Very Shallow Da</th><th>ematic Hydric Soils³: (LRR O)) (LRR S) (F18) (outside MLRA 150A, olain Soils (F19) (LRR P, S, ht Loamy Soils (F20) erial (TF2) urk Surface (TF12)</th></td<>	ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) 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Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) X Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, " Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Anomalous Bright Loamy Soils (F20) 0rganic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Wery Shallow Dark Surface (TF12) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and weldand hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) <td< td=""><td>ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, * Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A0) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Medox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Pr</td><td>ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Polyvalue Below Surface (S8) (LRR Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) X Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)</td><td>: S, T, U) U))</td><td>Indicators for Proble 1 cm Muck (A9) 2 cm Muck (A10 Reduced Vertic Piedmont Flood Anomalous Brigl (MLRA 153B) Red Parent Mate Very Shallow Da</td><td>ematic Hydric Soils³: (LRR O)) (LRR S) (F18) (outside MLRA 150A, olain Soils (F19) (LRR P, S, ht Loamy Soils (F20) erial (TF2) urk Surface (TF12)</td></td<>	ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, * Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A0) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Medox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Pr	ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Polyvalue Below Surface (S8) (LRR Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) X Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	: S, T, U) U))	Indicators for Proble 1 cm Muck (A9) 2 cm Muck (A10 Reduced Vertic Piedmont Flood Anomalous Brigl (MLRA 153B) Red Parent Mate Very Shallow Da	ematic Hydric Soils ³ : (LRR O)) (LRR S) (F18) (outside MLRA 150A, olain Soils (F19) (LRR P, S, ht Loamy Soils (F20) erial (TF2) urk Surface (TF12)
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) X Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, " Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Anomalous Bright Loamy Soils (F20) 0rganic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Wery Shallow Dark Surface (TF12) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and weldand hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) <td< td=""><td>ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, * Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Muck (A0) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Marl (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Medox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Pr</td><td>ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Polyvalue Below Surface (S8) (LRR Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) X Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)</td><td>: S, T, U) U))</td><td>Indicators for Proble 1 cm Muck (A9) 2 cm Muck (A10 Reduced Vertic Piedmont Flood Anomalous Brigl (MLRA 153B) Red Parent Mate Very Shallow Da</td><td>ematic Hydric Soils³: (LRR O)) (LRR S) (F18) (outside MLRA 150A, olain Soils (F19) (LRR P, S, ht Loamy Soils (F20) erial (TF2) urk Surface (TF12)</td></td<>	ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) 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Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histoc Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck (A9) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck (A9) (LRR P, T, U) Depleted Oark Surface (F10) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histoc Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Solis (F19) (LRR P, S, * Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Cert Piedmont Floodplain Soils (F19) (LRR P, S, * 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) (MLRA 153B) Anomalous Bright Loamy Soils (F20) Muck (A9) (LRR P, T, U) Depleted Odrix (F11) (MLRA 151) Char (F13) (URR P, T, U) Other (Explain in Remarks) Depleted Below Dark Surface (A12) Ion-Manganese Masses (F12) (LRR O, P, T) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F11) (MLRA 150A, 150B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Stripped Matrix (S6) Piedmont Floodplain Solis (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	Histosol (A1) Polyvalue Below Surface (S8) (LRR Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) X Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	U)) R O, P, T)	1 cm Muck (A9) 2 cm Muck (A10 Reduced Vertic Piedmont Flood Anomalous Brigl (MLRA 153B) Red Parent Mate Very Shallow Da	(LRR O)) (LRR S) (F18) (outside MLRA 150A, olain Soils (F19) (LRR P, S, T ht Loamy Soils (F20) erial (TF2) ark Surface (TF12)
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR \$, T, U) 2 cm Muck (A10) (LRR \$) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR \$, \$, \$ Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Redox (S5) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (I7) (MLRA 150A, 150A) Depth (inches): Loamy Soils (Histic Epipedon (A2) Thin Dark Surface (S9) (LRR \$, T, U) 2 cm Muck (A10) (LRR \$) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, \$, * Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) X Depleted Matrix (F3) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	U)) R O, P, T)	2 cm Muck (A10 Reduced Vertic Piedmont Flood Anomalous Brigl (MLRA 153B) Red Parent Mate Very Shallow Da) (LRR S) (F18) (outside MLRA 150A, olain Soils (F19) (LRR P, S, ht Loamy Soils (F20) erial (TF2) ırk Surface (TF12)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A, 150A, 150B) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T, U) Stratified Layers (A6) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A) Sequeed Vertic (F18) (MLRA 150B) Sandy Redox (S5) Stripped Matrix (S4) Reduced Vertic (F18) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Berleted Ochric (F11) (MLRA 149A) Hydric Soil Present? Yes X No No Bartificive Layer (If observed): Type:	Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A, Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Stratified Layers (A5) X Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, S, Stratified Layers (A6) (LRR P, T, U) S cm Mucky Mineral (A7) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. S andy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) S stripped Matrix (S4) Reduced Vertic (F18) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A), 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (If observed): Type: Muck (S0) (MLRA 149A, 153C, 153D) No Depth	Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) X Depleted Matrix (F3) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	R O, P, T)	Reduced Vertic Piedmont Flood Anomalous Brigl (MLRA 153B) Red Parent Mate Very Shallow Da	(F18) (outside MLRA 150A , olain Soils (F19) (LRR P, S, ht Loamy Soils (F20) erial (TF2) ırk Surface (TF12)
Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, S Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 6 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thro-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Gleved Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Gleved (S5) Stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A) 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No emarks: Hydric Soil Present? Yes X No	Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Stratified Layers (A5) Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 6 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thro-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Gleved Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Gleved (S5) Stripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A) 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No emarks: Hydric Soil Present? Yes X No	Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) X Depleted Matrix (F3) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	R O, P, T)	Piedmont Flood Anomalous Brigi (MLRA 153B) Red Parent Mate Very Shallow Da	olain Soils (F19) (LRR P, S, ht Loamy Soils (F20) erial (TF2) ırk Surface (TF12)
Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) 3 ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Deleta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Stratified Layers (A5) X Depleted Matrix (F3) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	R O, P, T)	Anomalous Brig (MLRA 153B) Red Parent Mate Very Shallow Da	ht Loamy Soils (F20) erial (TF2) ark Surface (TF12)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No Model Present? Yes X No Type:	Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	R O, P, T)	(MLRA 153B) Red Parent Mate Very Shallow Da	erial (TF2) ark Surface (TF12)
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Mucky Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Mucky Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes X No No	5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	R O, P, T)	Red Parent Mate	ark Surface (TF12)
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iton-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150) Senduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Estrictive Layer (if observed): Type: Type:	Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LR Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	R O, P, T)	Very Shallow Da	ark Surface (TF12)
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Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Image: Comparison of the strict is a strict is	Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Image: Comparison of the second		150B)		
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No emarks:	Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No emarks:		-		
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estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No emarks:	estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No emarks:) (MENA 1437	a, 1000, 100D)	
Type:	Type:				
Depth (inches):	Depth (inches):				
emarks:	emarks:		Lindata	Call Dreaset2 Vac	V Na
		Depth (inches):	Hydric	Soil Present? Yes	<u>X</u> NO
positive indication of hydric soil was observed.	positive indication of hydric soil was observed.	emarks:	•		
		positive indication of hydric soil was observed.			

Project/Site:			Har∖	vey Site			Parish:		West Felic	iana	Sampling D	ate: M	March	8, 2018	
Applicant/Owner:			Ba	ton Rouge Area	Chambe	r		Sta	ate:	Louisiana	Sample Po	int:	S	L25	
Investigator(s):	В	. McNat	b	and	T. Jone	es	Section, T	ownsh	ip, Range:	Sect	ion 43, Townsł	nip 4 South, F	Range	e 2 West	
Landform (hillslope, t	errace, e	etc.):		Hilltop			Local reli	ef (con	cave, convex,	none):	Convex	Slope (%):		0-5	
Subregion (LRR or M	ILRA):			LRR P			Lat:	30.	726508°	Long:	-91.313167°	Datum:		NAD83	
Soil Map Unit Name:					#N	/A				NWI C	lassification:		Non	е	
Are climatic / hydrolog	gic cond	itions or	n the sit	e typical for this	time of ye	ear?	(Yes / No)	Yes	(if no, e	explain in Rema	arks.)			
Are Vegetation	No	,Soil	No	or Hydrology	No	signi	ficantly dist	urbed?	Are "Norm	al Circumsta	ances" present	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology	No	natu	rally problem	natic?		If needed, e	xplain any ans	wers in Rem	arks.)		
		NCS	Atta	oh cito man	chowi	na ca	molina	noint	locations	tranca	ote import	ant faatuu		oto	

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes Yes	No No No	Is the Sampled Area within a Wetland?	Yes NoX
Remarks:				
This point was determined not	to be within a wetland	due to the lack of hydri	c soils and wetland hydrolog	gy.
HYDROLOGY				
Wetland hydrology Indicators	5:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of	f one is required; cheo	ck all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	_	Aquatic Fauna (B	,	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	-	Marl Deposits (B1		Drainage Patterns (B10)
Saturation (A3)	-	Hydrogen Sulfide	()	Moss Trim Lines (B16)
Water Marks (B1)	-	·	heres on Living Roots(C3)	
Sediment Deposits (B2)	-	Presence of Redu	· · /	Crayfish Burrows (C8)
Drift Deposits (B3)	-		ction in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	-	Thin Muck Surfac	()	Geomorphic Position (D2)
Iron Deposits (B5)	-	Other (Explain in	Remarks)	Shallow Aquitard (D3)
Inundation Visible on Ae				FAC-Neutral Test (D5)
Water-Stained Leaves (E	39)			Sphagnum moss (D8) (LRR T, U)
Field Observations:				
	No X			
-		Depth (inches):		
Saturation Present? Yes (includes capillary fringe)	No <u>X</u>	Depth (inches):	: <u>>20</u> Wetland	Hydrology Present? Yes No X
Describe Recorded Data (strea	m gauge, monitoring	well, aerial photos, prev	ious inspections), if availab	le:

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft.)	% cover	Species?	Status	Number of Dominant Species	
1. Pinus taeda	70	Yes	FAC	That Are OBL, FACW, or FAC: 6 (A	4)
2. Carpinus caroliniana	30	Yes	FAC		
3		·		Total Number of Dominant	-
4		· · · · · · · · · · · · · · · · · · ·		Species Across All Strata: 7 (E	3)
5					
6		Tatalo	<u> </u>	Percent of Dominant Species	
		= Total Cover	00	That Are OBL, FACW, or FAC: 86% (A	A/B)
50% of total cov	rer: 50	20% of total cover:	20	Prevalence Index Worksheet:	
Sapling Stratum (Plot size: <u>30 ft.</u>)	20	Vac	FAC		
1. <u>Carpinus caroliniana</u>	20	Yes	FAC	Total % Cover of: Multiply by: OBL species 0 x 1 = 0	-
2		· · · · · · · · · · · · · · · · · · ·		FACW species 0 $\mathbf{x} = 0$	—
3		· · · · · · · · · · · · · · · · · · ·		FAC species 200 x 3 = 600	—
4 5				FACU species 30 x 4 = 120	—
		·		$\frac{1}{1} \frac{1}{1} \frac{1}$	_
6	20	= Total Cover		Column Totals: 230 (A) 720	(B)
50% of total cov		20% of total cover:	4		_ (D)
Shrub Stratum (Plot size: 30 ft.)	or. <u>ro</u>		<u> </u>	Prevalence Index = B/A = 3.13	
1. Ligustrum sinense	40	Yes	FAC		—
2. Rubus trivialis	30	Yes	FACU	Hydrophytic Vegetation Indicators:	
3. Quercus nigra	20	Yes	FAC	1 - Rapid Test for Hydrophytic Vegetation	
4				X 2 - Dominance Test is >50%	
5		·		$3 - Prevalence Index is \le 3.0^1$	
6.		·		Problematic Hydrophytic Vegetation ¹ (Explain)	
·	90	= Total Cover			
50% of total cov		20% of total cover:	18	¹ Indicators of hydric soil and wetland hydrology must	
Herb Stratum (Plot size: 30 ft.)				be present, unless disturbed or problematic.	
1. Chasmanthium sessiliflorum	20	Yes	FAC	Definitions of Five Vegetation Strata:	
2				Tree - Woody plants, excluding woody vines,	
3				approximately 20 ft (6m) or more in height and 3 in.	
4				(7.6 cm) or larger in diameter at breast height (DBH).	
5					
6				Sapling - Woody plants, excluding woody vines,	
7				approximately 20 ft (6 m) or more in height and less	
8				than 3 in. (7.6 cm) DBH.	
9					
10				Shrub - Woody plants, excluding woody vines,	
11				approximately 3 to 20 ft (1 to 6 m) in height.	
	20	= Total Cover			
50% of total cov	ver: 10	20% of total cover:	4	Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size: 30 ft.)				herbaceous vines, regardless of size, and woody	
1. None Observed				plants, except woody vines, less than approximately	
2				3 ft (1 m) in height.	
3					
4		·		Woody vine - All woody vines, regardless of height.	
5		·			
		= Total Cover		Hydrophytic	
50% of total cov	ver:	20% of total cover:		Vegetation	
				Present? Yes X No	
Remarks: (if observed, list morphological adapt	ations below).				
A positive indication of hydrophytic vegetation w	as observed (>50% of dominant s	pecies indexe	ed as OBL, FACW, or FAC).	

epth <u>iches)</u> 0-16	Color (moist) 7.5YR 4/6	<u>%</u> 100	Color (moist) None	<u>%</u>	Type ¹		Texture Clay Loam	Remarks
			. <u></u>					
	. <u> </u>			<u> </u>		·	·	
					······	·		
	oncentration, D=Dep	letion PM-	Peduced Matrix M	S-Masker	Sand Grains	² Location: Pl	=Pore Lining, M=Matr	
	Indicators: (Appli							lematic Hydric Soils ³ :
Histosol					Surface (S8) (LF	RR S. T. U)	1 cm Muck (A9	
	pipedon (A2)				e (S9) (LRR S, 1		2 cm Muck (A1	
	istic (A3)				neral (F1) (LRR			c (F18) (outside MLRA 150A,
Hydroge	en Sulfide (A4)		Loamy	Gleyed Ma	atrix (F2)		Piedmont Floor	dplain Soils (F19) (LRR P, S, T
Stratified	d Layers (A5)		Deplete	ed Matrix (F3)		Anomalous Bri	ght Loamy Soils (F20)
-	Bodies (A6) (LRR I			Dark Surfa	()		(MLRA 153B)	
	ucky Mineral (A7) (L				urface (F7)		Red Parent Ma	()
	resence (A8) (LRR			Depressio	. ,			oark Surface (TF12)
	uck (A9) (LRR P, T)			⁵ 10) (LRR od Oobria (-	A	Other (Explain	in Remarks)
	d Below Dark Surfao ark Surface (A12)	ce (ATT)			(F11) (MLRA 15 Masses (F12) (I	-	³ Indicators of	hydrophytic vegetation and
	()	MI RA 150/		-	F13) (LRR P, T,		wetland hydro	blogy must be present, unless
Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S)			· · · · · · · · · · · · · · · · · · ·		7) (MLRA 151)	0,	disturbed or p	problematic.
_ `	Gleyed Matrix (S4)	(F18) (MLRA 150)A, 150B)		
	Redox (S5)				lain Soils (F19)			
Ctrippod			-	lous Briah	t Loomy Soils (E	20) (MLRA 149)	A, 153C, 153D)	
Suipped	d Matrix (S6)		Anoma	aouo Brigii	LUarity Solis (I		,,,	
	d Matrix (S6) ırface (S7) (LRR P,	S, T, U)	Anoma	louo Drigri	t Ebainy Solis (i	, (,,,	
Dark Su	Irface (S7) (LRR P,		Anoma		t Loanty Sons (I			
Dark Su			Anoma					
Dark Su estrictive L Type:	urface (S7) (LRR P, Layer (if observed)):	Anoma					
Dark Su estrictive L Type:	Irface (S7) (LRR P,):	Anoma				Soil Present? Yes	No X
Dark Su estrictive L Type:	urface (S7) (LRR P, Layer (if observed)):	Anoma					No X
Dark Su estrictive L Type: Depth (ind	urface (S7) (LRR P, Layer (if observed)):	Anoma					No <u>X</u>
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, Layer (if observed)	:						No <u>X</u>
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						No X
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						NoX
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						No X
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						No X
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						No <u>X</u>
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						No <u>X</u>
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						No X
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						No <u>X</u>
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						NoX
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						NoX
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						NoX
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						No <u>X</u>
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						NoX
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						NoX
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						No X
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						No X
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						NoX
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						NoX
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						NoX
Dark Su estrictive L Type: Depth (ind emarks:	urface (S7) (LRR P, _ayer (if observed) 	:						NoX

Project/Site:			Harv	ey Site			Parish:		West Felic	iana	Sampling D	ate: N	March 8		
Applicant/Owner:			Ba	ton Rouge Area	Chambe	er		Sta	ate:	Louisiana	Sample Po	int:	SL	_26	
Investigator(s):	В	. McNab	b	and	T. Jone	es	Section, 1	Fownsh	ip, Range:	Secti	on 43, Townsl	hip 4 South, I	Range	2 West	
Landform (hillslope, t	errace, e	etc.):		Hilltop			Local reli	ef (con	cave, convex	none):	Convex	Slope (%):		0-5	
Subregion (LRR or M	ILRA):			LRR P			Lat:	30.	724618°	Long:	-91.309649°	Datum:		NAD83	
Soil Map Unit Name:					#N	I/A				NWI CI	assification:		None	9	
Are climatic / hydrolog	gic cond	litions or	n the site	e typical for this	time of ye	ear?	(Yes / No	o)	Yes	(if no, e	xplain in Rema	arks.)			
Are Vegetation	No	,Soil	No	or Hydrology	No	signi	ificantly dist	urbed?	Are "Norm	al Circumsta	nces" present	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology	No	natu	rally probler	natic?		(If needed, ex	kplain any ans	wers in Rem	arks.)		
SUMMARY OF	FINDI	NGS	Δtta	ch site man	showi	ina sa	ampling	noint	locations	transec	ts import	ant featu	res	etc	

Attach site map showing sampling point locations, transects, important features, e FINDINGS

ydrophytic Vegetation Present? ydric Soil Present? etland Hydrology Present?	Yes X Yes Yes	No NoX NoX	Is the Sampled Area within a Wetland?	Yes	NoX
marks: This point was determined not to	be within a wetland	due to the lack of hyd	ric soils and wetland hydrology.		
DROLOGY					
Wetland hydrology Indicators:					rs (minimum of two required)
Primary Indicators (minimum of c	one is required; chec	k all that apply)		Surface Soil	Cracks (B6)
Surface Water (A1)	-	Aquatic Fauna (B			etated Concave Surface (B8)
High Water Table (A2)	-	Marl Deposits (B	15) (LRR U)	Sparsely Veg	etated Concave Surface (B8)
	-		15) (LRR U)		etated Concave Surface (B8) terns (B10)
High Water Table (A2)		Marl Deposits (B Hydrogen Sulfid	15) (LRR U)	Drainage Pat Moss Trim Li	etated Concave Surface (B8) terns (B10)
High Water Table (A2) Saturation (A3)		Marl Deposits (B Hydrogen Sulfid	15) (LRR U) e Odor (C1) pheres on Living Roots(C3)	Drainage Pat Moss Trim Li	etated Concave Surface (B8) terns (B10) nes (B16) Vater Table (C2)
High Water Table (A2) Saturation (A3) Water Marks (B1)		Marl Deposits (B Hydrogen Sulfid Oxidized Rhizos Presence of Red	15) (LRR U) e Odor (C1) pheres on Living Roots(C3)	Drainage Pat Moss Trim Li Dry-Season \ Crayfish Burr	etated Concave Surface (B8) terns (B10) nes (B16) Vater Table (C2)
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		Marl Deposits (B Hydrogen Sulfid Oxidized Rhizos Presence of Red	15) (LRR U) e Odor (C1) pheres on Living Roots(C3) luced Iron (C4) uction in Tilled Soils (C6)	Drainage Pat Moss Trim Li Dry-Season \ Crayfish Burr	etated Concave Surface (B8) terns (B10) nes (B16) Nater Table (C2) ows (C8) sible on Aerial Imagery (C9)
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		Marl Deposits (B Hydrogen Sulfid Oxidized Rhizos Presence of Red Recent Iron Red	15) (LRR U) e Odor (C1) pheres on Living Roots(C3) luced Iron (C4) uction in Tilled Soils (C6) ice (C7)	Drainage Pat Moss Trim Li Dry-Season V Crayfish Burr Saturation Vi	etated Concave Surface (B8) terns (B10) nes (B16) Nater Table (C2) ows (C8) sible on Aerial Imagery (C9) Position (D2)
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)		Marl Deposits (B Hydrogen Sulfid Oxidized Rhizos Presence of Red Recent Iron Red Thin Muck Surfa	15) (LRR U) e Odor (C1) pheres on Living Roots(C3) luced Iron (C4) uction in Tilled Soils (C6) ice (C7)	Drainage Pat Moss Trim Li Dry-Season \ Crayfish Burr Saturation Vis Geomorphic	etated Concave Surface (B8) terns (B10) nes (B16) Water Table (C2) ows (C8) sible on Aerial Imagery (C9) Position (D2) tard (D3)

Field	Observations:	
-------	---------------	--

Surface Water Present?	Yes	No	х	Depth (inches):	N/A					
Water Table Present?	Yes	No	х	Depth (inches):	>20					
Saturation Present? (includes capillary fringe)	Yes _	No	X	Depth (inches):	>20	Wetland Hydrology Present?	Yes	No	X	-

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

Remarks:

No positive indication of wetland hydrology was observed.

SI	26

			-		-		
		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30	ft.)	% cover	Species?	Status	Number of Dominant Species		
1. Quercus nigra		50	Yes	FAC	That Are OBL, FACW, or FAC:	6 (A)	
2. Carpinus caroliniana		30	Yes	FAC			
3. Fraxinus pennsylvanica		20	No	FACW	Total Number of Dominant		
4. Magnolia grandiflora		20	No	FAC	Species Across All Strata:	6 (B)	
5						、 ,	
6.					Percent of Dominant Species		
· · · · · · · · · · · · · · · · · · ·		120	= Total Cover		That Are OBL, FACW, or FAC:	100% (A/B)	
50	% of total cover:	60	20% of total cover:	24		、 ,	
Sapling Stratum (Plot size: 30	-				Prevalence Index Worksheet:		
1. None Observed	<u> </u>				Total % Cover of:	Multiply by:	
2	·				OBL species 0	x 1 = 0	
3					FACW species 80	x 2 = 160	
4					FAC species 240	x 3 = 720	
5					FACU species 10	x 4 = 40	
6					UPL species 0	x 5 = 0	
··			= Total Cover		Column Totals: 330	·	B)
50	% of total cover:		20% of total cover:			(//)(υ,
	ft.)				Prevalence Index = B/A =	2.79	
1. Ligustrum sinense	<u> </u>	60	Yes	FAC	Frevalence index - D/A -	2.15	
	<u> </u>	10		FACU	Hydrophytic Vegetation Indicators		
2. <u>Prunus serotina</u>	<u> </u>	10	110	FACU			
3					1 - Rapid Test for Hydrophy		
4					X 2 - Dominance Test is >50°		
5					X 3 - Prevalence Index is \leq 3.		
6	·				Problematic Hydrophytic Ve	egetation (Explain)	
			= Total Cover		1		
	% of total cover:	35	20% of total cover:	14	¹ Indicators of hydric soil and wetland		
	<u>ft.</u>)				be present, unless disturbed or prob		
1. <u>Toxicodendron radicans</u>		60	Yes	FAC	Definitions of Five Vegetation Stra		
2. Arundinaria gigantea		40	Yes	FACW	Tree - Woody plants, excluding woo	-	
3. Dryopteris carthusiana		20	No	FACW	approximately 20 ft (6m) or more in h		
4	·				(7.6 cm) or larger in diameter at brea	ıst height (DBH).	
5	·						
6	·				Sapling - Woody plants, excluding w		
7	·				approximately 20 ft (6 m) or more in	height and less	
8	<u> </u>				than 3 in. (7.6 cm) DBH.		
9	<u> </u>						
10					Shrub - Woody plants, excluding wo		
11					approximately 3 to 20 ft (1 to 6 m) in	height.	
	-	120	= Total Cover				
	% of total cover:	60	20% of total cover:	24	Herb - All herbaceous (non-woody)	-	
Woody Vine Stratum (Plot size:	<u>30 ft.</u>)				herbaceous vines, regardless of size		
1. Vitis rotundifolia		20	Yes	FAC	plants, except woody vines, less that	1 approximately	
2					3 ft (1 m) in height.		
3							
4					Woody vine - All woody vines, regard	dless of height.	
5							
	-	20	= Total Cover		Hydrophytic		
50	% of total cover:	10	20% of total cover:	4	Vegetation		
					Present? Yes X	No	
Remarks: (if observed, list morpho	logical adaptation	ns below).					
A positive indication of hydrophytic	vegetation was a	heerved (*	>50% of dominant or	necies indeve	ed as OBL EACW or EAC)		
	vegetation was t	inger ven (-	so /o or uominant S		A as ODE, I AOW, OF I AOJ.		
A positive indication of hydrophytic	vegetation was o	bserved (I	Prevalence Index is s	≤ 3.00)			
				2.00,			

epth nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 5/3	98	10YR 5/8	2	С	М	Loam	
vpe C=C	oncentration, D=Dep	letion RM=	=Reduced Matrix M	S=Masked	Sand Grains	² Location: PL	=Pore Lining, M=Matr	ix
	Indicators: (Appli					20044011112		lematic Hydric Soils ³ :
Histoso					, Surface (S8) (LF	RR S. T. U)	1 cm Muck (A9	
	Epipedon (A2)				e (S9) (LRR S, 1		2 cm Muck (A1	
	listic (A3)				neral (F1) (LRR			c (F18) (outside MLRA 150A,
	en Sulfide (A4)			Gleyed M		-,		dplain Soils (F19) (LRR P, S, ⁻
	ed Layers (A5)			ed Matrix (ght Loamy Soils (F20)
	c Bodies (A6) (LRR I	РТШ		Dark Surfa			(MLRA 153B)	
-	ucky Mineral (A7) (L				urface (F7)		Red Parent Ma	terial (TF2)
	Presence (A8) (LRR I		· ·	Depressio				ark Surface (TF12)
	uck (A9) (LRR P, T)			10) (LRR	()		Other (Explain	· · ·
	ed Below Dark Surface				(F11) (MLRA 15	1)		in Renarce)
	ark Surface (A12)		·		Masses (F12) (I		³ Indicators of	hydrophytic vegetation and
	Prairie Redox (A16) (MI RA 150		-	F13) (LRR P, T,			blogy must be present, unless
	Mucky Mineral (S1)				7) (MLRA 151)	0)	disturbed or p	
	Gleyed Matrix (S4)	(LIXIX 0, 0)			F18) (MLRA 151)	A 150R)		
-	Redox (S5)				lain Soils (F19)	-		
-	d Matrix (S6)					20) (MLRA 149A)	A 153C 153D)	
Suippe	u Wall IX (30)		Anoma	ious Brigh	LUAINY SUIS (F	20) (WILKA 145/	4, 1550, 1550)	
Dark Si	urface (S7) (I RR P	S T III						
estrictive	urface (S7) (LRR P, Layer (if observed)							
estrictive						Hydric	Soil Present? Yes	No X
estrictive	Layer (if observed)					Hydric	Soil Present? Yes	No X
estrictive Type: Depth (in emarks:	Layer (if observed)	:				Hydric	Soil Present? Yes	No X
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No X
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	NoX
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	NoX
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	NoX
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	NoX
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	NoX
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	<u>No X</u>
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	NoX
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	NoX
estrictive Type: Depth (in emarks:	Layer (if observed)	:	served.			Hydric	Soil Present? Yes	NoX

PMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%):	igator(s): B. McNa	Harvey Site	Parish: West Felic	ciana Sampling Date: March 8, 2018
Landform (hillslope, ferrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): No Subregion (LRR or MLRA): LRR P Lat 30724690' Long:	5 ()	Baton Rouge Area Chamber	State:	
Subregion (LRR or MLRA): LRR P Lat: 30.724690° Long: -91.311679° Datum: N/v Soit Map Unit Name: #N/A NWU Classification: None Are climatic / hydrologic conditions on the site typical for this time of year? (Yes / No) Yes (if no, explain in Remarks.) Are Vegetation No ,Soil No or Hydrology No 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 X No	orm (hillslope, terrace, etc.):	abb and T. Jones	Section, Township, Range:	Section 43, Township 4 South, Range 2 West
Soil Map Unit Name: #N/A NWT Classification: None Are climatic / hydrologic conditions on the site typical for this time of year? (Yes / No) Yes (If no, explain in Remarks.) Are Vegetation NoSoil Noor Hydrology Noanturally 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 X No		Depression	Local relief (concave, convex,	x, none): <u>Concave</u> Slope (%): <u>0-5</u>
Wre climatic / hydrologic conditions on the site typical for this time of year? Yes / No) Yes (if no, explain in Remarks.) Wre Vegetation No ,Soil No ,or Hydrology No asignificantly disturbed? Are "Normal Circumstances" present? Yes X No Vie Vegetation No ,Soil No ,or Hydrology No asignificantly disturbed? Are "Normal Circumstances" present? Yes X No SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc Hydrophytic Vegetation Present? Yes X No	gion (LRR or MLRA):	LRR P	Lat: 30.724690°	Long:91.311679° Datum:NAD83
we Vegetation No Soil No or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes X No SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc Hydrophytic Vegetation Present? Yes X No	ap Unit Name:	#N/A		NWI Classification: None
we Vegetation No ,Soil No ,or Hydrology No 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 X No Is the Sampled Area within a Wetland? Yes X No Hydrology Present? Yes X No Is the Sampled Area within a Wetland? Yes X No Remarks: This point was determined to be within a wetland due to the presence of all 3 wetland criteria. Surface Soil Cracks (B6) Surface	matic / hydrologic conditions of	on the site typical for this time of year?	(Yes / No) Yes	(if no, explain in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc Hydrophytic Vegetation Present? Yes X No	getation <u>No</u> ,Soil		-	al Circumstances" present? Yes X No
Hydrophytic Vegetation Present? Yes X No	getation <u>No</u> ,Soil	No ,or Hydrology No natur	rally problematic?	(If needed, explain any answers in Remarks.)
Hydric Soil Present? Yes X No Is the Sampled Area within a Wetland? Yes X No Remarks: This point was determined to be within a wetland due to the presence of all 3 wetland criteria. Is the Sampled Area within a Wetland? Yes X No PTOPEOLOGY Wetland hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply) Surface Vater (A1) Aquatic Fauna (B13) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface of Mark Deposits (B15) (LRR U) X Drainage Patterns (B10) X High Water Table (A2) Marl Deposits (B15) (LRR U) X Drainage Patterns (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Adgal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) X FAC-Neutral Test (D5) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LR	IMARY OF FINDINGS	- Attach site map showing sa	ampling point locations	s, transects, important features, etc.
Hydric Soil Present? Yes X No Is the Sampled Area within a Wetland? Yes X No Remarks: This point was determined to be within a wetland due to the presence of all 3 wetland criteria. Is the Sampled Area within a Wetland? Yes X No PTOPEOLOGY Wetland hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply) Surface Vater (A1) Aquatic Fauna (B13) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface of Mark Deposits (B15) (LRR U) X Drainage Patterns (B10) X High Water Table (A2) Marl Deposits (B15) (LRR U) X Drainage Patterns (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Adgal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) X FAC-Neutral Test (D5) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LR	ophytic Vegetation Present?	Yes X No		
Remarks: This point was determined to be within a wetland due to the presence of all 3 wetland criteria. HYDROLOGY Wetland hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)			Is the Sampled Area	
Remarks: This point was determined to be within a wetland due to the presence of all 3 wetland criteria. HYDROLOGY Wetland hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (B6) X High Water Table (A2) Marl Deposits (B15) (LRR U) X X Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)	and Hydrology Present?		-	Yes X No
Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (X High Water Table (A2) Marl Deposits (B15) (LRR U) X Drainage Patterns (B10) X Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Inundation Visible on Aerial Imagery (B7) Vater-Stained Leaves (B9) X FAC-Neutral Test (D5)	Vetland hydrology Indicators			Secondary Indicators (minimum of two required)
X High Water Table (A2) Marl Deposits (B15) (LRR U) X Drainage Patterns (B10) X Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Water-Stained Leaves (B9) X FAC-Neutral Test (D5)				
X Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Water-Stained Leaves (B9) X FAC-Neutral Test (D5)				
Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Water-Stained Leaves (B9) X FAC-Neutral Test (D5)	- ,			
Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)	. ,			
Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) X FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U)				
Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) X FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U)			, ,	
Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) X FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U)			()	
Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U)	Iron Deposits (B5)	Other (Explair	n in Remarks)	Shallow Aquitard (D3)
	Inundation Visible on Ae	rial Imagery (B7)		X FAC-Neutral Test (D5)
Field Observations:	Water-Stained Leaves (F	39)		Sphagnum moss (D8) (LRR T, U)
Field Observations:				
		No X Depth (inch	·	
	ace Water Present? Yes	Y N. F " " '		Understand View View
Saturation Present? Yes X No Depth (inches): 0-12 Wetland Hydrology Present? Yes X No (includes capillary fringe)	ace Water Present? Yes er Table Present? Yes		nes): U-12 Wetland	nyarology Present? Yes X NO
	ace Water Present?Yeser Table Present?Yesration Present?Yes	X No Depth (inch X No Depth (inch	· · · · · · · · · · · · · · · · · · ·	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	ace Water Present? Yes er Table Present? Yes ration Present? Yes udes capillary fringe)	X No Depth (inch	provious inspections) if available	
	ace Water Present? Yes er Table Present? Yes ration Present? Yes udes capillary fringe)	X No Depth (inch	previous inspections), if available	le:
Remarks:	ace Water Present? Yes er Table Present? Yes ration Present? Yes udes capillary fringe)	X No Depth (inch	previous inspections), if availabl	le:

A positive indication of wetland hydrology was observed (at least one primary indicator).

A positive indication of wetland hydrology was observed (at least two secondary indicators).

EGETATION (Five Strat			•			Sampling Point:		SL27	
		Absolute	Dominant	Indicator	Dominance Test w	vorksheet:			
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Domina	nt Species			
1. Quercus nigra	<u> </u>	65	Yes	FAC	That Are OBL, FAC	•	6		(A)
2. Platanus occidentalis		60	Yes	FACW		, c			()
3. Quercus texana		30	No	FACW	Total Number of Do	minant			
4. Carpinus caroliniana		10	No	FAC	Species Across All		7		(B)
		10		17.0	00000370000374	oudu.			(0)
5			·		Percent of Dominar	t Species			
6		165	= Total Cover		That Are OBL, FAC		86	0/_	(A/B)
				22	That Are Obl., FAC	W, OF FAC.	00	/0	(AVD)
	50% of total cover:	02.3	20% of total cover:	33	Prevalence Index	Worksheet.			
Sapling Stratum (Plot size:	<u>30 ft.</u>)	05	Mar	540				A	
1. Carpinus caroliniana		25	Yes	FAC	Total % (Aultiply by:	
2			· · · · · · · · · · · · · · · · · · ·		OBL species	25	x 1 =	25	
3			·		FACW species	105	x 2 =	210	
4			·	. <u> </u>	FAC species	195	x 3 =	585	
5					FACU species	35	x 4 =	140	
6			· · · · · · · · · · · · · · · · · · ·		UPL species	0	x 5 =	0	
			= Total Cover		Column Totals:	360	(A)	960	(E
	50% of total cover:	12.5	20% of total cover:	5					
Shrub Stratum (Plot size:	<u>30 ft.</u>)				Prevalenc	e Index = B/A =		2.67	
1. Ligustrum sinense		70	Yes	FAC					
2.					Hydrophytic Vege	tation Indicato	rs:		
3.					1 - Rapid	Test for Hydropl	hytic Veget	ation	
4.		-			X 2 - Domina	ance Test is >50	0%		
5.						ence Index is ≤ 3			
6.			· · · · · · · · · · · · · · · · · · ·			ic Hydrophytic V		(Explain)	
ö		70	= Total Cover			lo Hydrophydo	ogotation	(Explain)	
	50% of total cover:			14	¹ Indicators of hydrid	a coil and watlar	ad bydrolog	wmuot	
Herb Stratum (Plot size:	30 ft.)				-			jy musi	
	<u> </u>	20	Vac	EACU	be present, unless				
1. Parthenocissus quinquefolia		30	Yes	FACU	Definitions of Five	-			
2. Toxicodendron radicans		25	Yes	FAC	Tree - Woody plan	-	-		
3. <u>Ranunculus sceleratus</u>		25	Yes	OBL	approximately 20 ft		-		
4. Dryopteris carthusiana		15	No	FACW	(7.6 cm) or larger in	i diameter at bre	east neight	(DBH).	
5. <u>Galium aparine</u>		5	No	FACU	Sapling - Woody p	lanta ovaludina	woodywin		
6			· · · · · · · · · · · · · · · · · · ·			-	-		
7			·		approximately 20 ft		i neigin an	u less	
8					than 3 in. (7.6 cm) l	DBH.			
9			· · · · · · · · · · · · · · · · · · ·						
10			·		Shrub - Woody pla	-	-	5,	
I1					approximately 3 to 2	20 ft (1 to 6 m) i	n height.		
		100	= Total Cover						
	50% of total cover:	50	20% of total cover:	20	Herb - All herbaced		-	-	
Woody Vine Stratum (Plot size:	<u> </u>				herbaceous vines, i	regardless of siz	ze, <u>and</u> woo	ody	
1. None Observed					plants, except wood	ly vines, less the	an approxir	mately	
2.					3 ft (1 m) in height.				
3.									
4.					Woody vine - All w	oody vines, reg	ardless of h	neight.	
5			. <u> </u>						
z:			= Total Cover		Hydrophytic				
	50% of total cover:		20% of total cover:		Vegetation				
		·			-	Yes X	No		

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC).

A positive indication of hydrophytic vegetation was observed (Prevalence Index is \leq 3.00).

SL27

epth	Matrix			Redox F	eatures			
iches)			r (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/2	<u>95 7.</u>	5YR 5/6	5	<u> </u>	M	Clay Loam	
	<u> </u>				·	·	<u> </u>	
	<u> </u>						<u> </u>	
ype: C=Cc	oncentration, D=Depletic	on, RM=Reduce	ed Matrix, M	S=Masked	Sand Grains.	² Location:	PL=Pore Lining, M=Mat	rix.
	Indicators: (Applicab	le to all LRRs,			-			plematic Hydric Soils ³ :
Histosol	l (A1) pipedon (A2)	-	-		Surface (S8) (Lf (S9) (LRR S,		1 cm Muck (As	,
	istic (A3)	-			eral (F1) (LRR		2 cm Muck (A Reduced Verti	c (F18) (outside MLRA 150A ,I
	en Sulfide (A4)	-	-	Gleyed Ma		0)		dplain Soils (F19) (LRR P, S, 1
	d Layers (A5)	-	X Deplete	-				ight Loamy Soils (F20)
Organic	Bodies (A6) (LRR P, T,	U)	Redox	Dark Surfa	ce (F6)		(MLRA 153B)	
	ucky Mineral (A7) (LRR	P, T, U) _	Deplete	ed Dark Su	face (F7)		Red Parent Ma	()
	resence (A8) (LRR U)	-		Depression				Dark Surface (TF12)
	uck (A9) (LRR P, T)	-		10) (LRR L			Other (Explain	in Remarks)
·	d Below Dark Surface (A ark Surface (A12)				⁻ 11) (MLRA 15 lasses (F12) (l	-	³ Indicators of	hydrophytic vegetation and
	rairie Redox (A16) (MLF	RA 150A)		-	13) (LRR P, T,			ology must be present, unless
	Mucky Mineral (S1) (LRI	_			(MLRA 151)	-,	disturbed or	problematic.
Sandy C	Gleyed Matrix (S4)		Reduce	ed Vertic (F	18) (MLRA 15 0)A, 150B)		
Sandy F	Redox (S5)	-	Piedmo	ont Floodpla	ain Soils (F19)	(MLRA 149A)		
	d Matrix (S6)	-	Anoma	lous Bright	Loamy Soils (F	20) (MLRA 1 4	I9A, 153C, 153D)	
Dark Su	ırface (S7) (LRR P, S, T	, U)						
estrictive L	ayer (if observed):							
Type:								
Depth (in	ches):					Hyd	ric Soil Present? Yes	<u>X</u> No
emarks:								
emarks:	lication of hydric soil wa	s observed.						
emarks:	lication of hydric soil wa	s observed.						
emarks:	dication of hydric soil wa	s observed.						
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Project/Site:	Harvey Site						Parish:		West Felici	ana	Sampling D	ate: N	March	8, 2018
Applicant/Owner:			B	aton Rouge Area	Chamber			Sta	ate:	Louisiana	Sample Po	int:	SI	.28
Investigator(s):	В	. McNat	b	and	T. Jones	3	Section, To	ownsh	ip, Range:	Sect	ion 43, Townsł	nip 4 South, I	Range	2 West
Landform (hillslope, te	errace, e	etc.):		Plain			Local relie	f (cond	cave, convex,	none):	None	Slope (%):		0-5
Subregion (LRR or M	LRA):			LRR P			Lat:	30.7	723440°	Long:	-91.305742°	Datum:		NAD83
Soil Map Unit Name:					#N//	A				NWIC	lassification:		None	;
Are climatic / hydrolog	gic conc	litions o	n the si	te typical for this	time of yea	ar?	(Yes / No))	Yes	(if no, e	xplain in Rema	arks.)		
Are Vegetation	No	_,Soil	No	or Hydrology	No	_signi	ificantly distu	rbed?	Are "Norma	al Circumsta	nces" present	? Yes	Х	No
Are Vegetation	No	_,Soil	No	or Hydrology	No	natu	rally problem	atic?	(lf needed, e	xplain any ans	wers in Rem	arks.)	
								• •						

Surface Water Present? Yes No X Depth (inches): N/A Water Table Present? Yes No X Depth (inches): >20 Saturation Present? Yes X No	This point was determined not to be within a wetland due to the lack of hydric soils. Pirmary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (A2) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced forn (C4) Crayfish Burrows (C8) Dirth Deposits (B3) Recent forn Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Agal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Positin (D2) In undation Visible on Aerial Imagery (B7) Shallow Aquitard (D3) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Depth (inches): <u>220</u> Sphagnum moss (D8) (LRR T, U) Sufface water Present? Yes No Depth (inches): <u>220</u> Saturation Present? Yes No Depth (inches): <u>220</u> Saturation Present? Yes No Depth (inches): <u>220</u> Saturation Present? Yes	Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>X</u> Yes Yes <u>X</u>		No No No	Is the Sampled within a Wetlan		Yes	No	<u>x</u>
Wetland hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (B6) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dr-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water Able Present? Yes X Surface Water Present? Yes No X Saturation Present? Yes No Depth (inches):	Wetland hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required; Surface Vater (A1) Aquatic Fauna (B13) Surface Vater (A1) Surface Vater (A1) <th< th=""><th></th><th>be within a we</th><th>lland due</th><th>to the lack of hydric</th><th>soils.</th><th></th><th></th><th></th><th></th></th<>		be within a we	lland due	to the lack of hydric	soils.				
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Moss Trim Lines (B16) X Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation (D2) Agal Mat or Crust (B4) Thin Muck Surface (C7) Geemorphic Position (D2) Inon Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Field Observations: No Depth (inches): _>20 Surface Water Present? Yes No Depth (inches): _>20 Saturation Present? Yes No Depth (inches): _>20 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (B6) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) X Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Agal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Field Observations: No Depth (inches): 220 Saturation Present? Yes No Depth (inches): 0-12 Water Table Present? Yes No Depth (inches): -220 Saturation Present? Yes No Depth (inches): -220 Saturation Present? Yes No Depth (inches): -220 Saturation Present? Yes N	IYDROLOGY								
Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water Table Present? Yes No X Depth (inches): N/A Saturation Present? Yes No X Depth (inches): 0-12 Wetland Hydrology Present? Yes X No X Depth (inches): 0-12 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes No X Depth (inches): >20 Saturation Present? Yes No X Depth (inches): >20 Saturation Hydrology Present? Yes X No Saturation Present? Yes X No Depth (inches): >20 Saturation Present? Yes X No	Primary Indicators (minimum of o Surface Water (A1)	ne is required;	check all	Aquatic Fauna (B1		 	Surface Soil (Sparsely Veg	Cracks (B6) etated Concav	
Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes No X Depth (inches): N/A Surface Water Present? Yes No X Depth (inches): >20 Wetland Hydrology Present? Yes X No Saturation Present? Yes X No Depth (inches): 0-12 Wetland Hydrology Present? Yes X No	Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: No Surface Water Present? Yes No X Depth (inches): >20 Saturation Present? Yes Saturation Present? Yes X Depth (inches): 0-12 Wetland Hydrology Present? Yes X No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Water Marks (B1) Sediment Deposits (B2)			Oxidized Rhizosph Presence of Reduc	eres on Living Ro ed Iron (C4)	· · · _	Dry-Season \ Crayfish Burr	Water Table (C ows (C8)	,
Field Observations: Surface Water Present? Yes No X Depth (inches): N/A Water Table Present? Yes No X Depth (inches): >20 Saturation Present? Yes X No	Field Observations: Surface Water Present? Yes No Depth (inches): >20 Water Table Present? Yes No Depth (inches): >20 Saturation Present? Yes No Depth (inches): >20 Saturation Present? Yes No Depth (inches): >20 Multiple Control of the second	Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aeria			Thin Muck Surface	e (C7)	- (C6) 	Geomorphic Shallow Aqui FAC-Neutral	Position (D2) tard (D3) Test (D5)	
Surface Water Present? Yes No X Depth (inches): N/A Water Table Present? Yes No X Depth (inches): >20 Saturation Present? Yes X No	Surface Water Present? Yes No X Depth (inches): N/A Water Table Present? Yes No X Depth (inches): >20 Saturation Present? Yes X No Depth (inches): 0-12 Wetland Hydrology Present? Yes X No Saturation Present? Yes X No Depth (inches): 0-12 Wetland Hydrology Present? Yes X No (includes capillary fringe) Depth (inches): 0-12 Wetland Hydrology Present? Yes X No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Remarks:									
Remarks:	Remarks:	Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes	No	X	Depth (inches):	>20	Vetland Hydro	logy Present?	Yes <u>X</u>	No
		Describe Recorded Data (stream	gauge, monito	ring well,	aerial photos, previo	ous inspections), i	f available:			
A positive indication of wetland hydrology was observed (at least one primary indicator).	A positive indication of wetland hydrology was observed (at least one primary indicator).	Remarks:								
		A positive indication of wetland hy	drology was o	bserved (at least one primary	indicator).				

	a) - Use scientif		s of plants.			Sampling Point:		SL28	
		Absolute	Dominant	Indicator	Dominance Test w	vorksheet:			
ree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Domina	nt Species			
. Liquidambar styraciflua	<u> </u>	50	Yes	FAC	That Are OBL, FAC		3		(A)
. Acer negundo		50	Yes	FAC	11101110 002, 1710				(,,)
. Quercus nigra		20	No	FAC	Total Number of Do	minant			
					Species Across All		3		(B)
					Species Across Air	Strata.	5		(D)
					Dereent of Deminer	at Chanica			
	·	100	= Total Cover		Percent of Dominar	•	400	N 0/	
			-		That Are OBL, FAC	W, of FAC:	100	70	(A/B)
	50% of total cover:	60	20% of total cover	:24	Prevalence Index	Workshoot:			
pling Stratum (Plot size:	<u>30 ft.</u>)								
None Observed					Total % (Aultiply by:	
					OBL species	0	x 1 =	0	
					FACW species	0	x 2 =	0	
					FAC species	195	x 3 =	585	
					FACU species	0	x 4 =	0	
					UPL species	0	x 5 =	0	
			= Total Cover		Column Totals:	195	(A)	585	(
	50% of total cover:		20% of total cover	:	-				
nrub Stratum (Plot size:	30 ft.)		-		Prevalenc	e Index = B/A =		3.00	
1 im	<u>,</u> ,	75	Yes	FAC					
					Hydrophytic Vege	tation Indicato	rs.		
						Test for Hydropi		otion	
								allon	
			<u> </u>			ance Test is >50			
						ence Index is ≤ 3			
					Problemat	ic Hydrophytic V	Vegetation'	(Explain)	
		75	= Total Cover						
	50% of total cover:	37.5	20% of total cover	15	¹ Indicators of hydric	c soil and wetlar	าd hydrolog	jy must	
erb Stratum (Plot size:	<u>30 ft.</u>)				be present, unless	disturbed or pro	blematic.		
. None Observed					Definitions of Five	Vegetation St	rata:		
					Tree - Woody plan	ts, excluding w	oody vines,		
					approximately 20 ft	(6m) or more in	height and	1 3 in.	
					(7.6 cm) or larger in	. ,	•		
					(i io only of larger i		Jaor Holgint	(22).	
					Sapling - Woody p	lants, excluding	woody vine	es,	
					approximately 20 ft	-	-		
•					than 3 in. (7.6 cm)		· · · · · · · · · · · · · · · · · · ·		
•						5011.			
								_	
					Shrub - Woody pla	-	-	,	
					approximately 3 to 2	20 ft (1 to 6 m) i	n height.		
			= Total Cover						
	50% of total cover:		20% of total cover	:	Herb - All herbaced	ous (non-woody)) plants, inc	luding	
oody Vine Stratum (Plot size:	<u> </u>				herbaceous vines, i	regardless of siz	ze, <u>and</u> woo	ody	
. None Observed					plants, except wood	ly vines, less th	an approxir	nately	
					3 ft (1 m) in height.				
					() 0				
·					Woody vine - All w	oody vines rea	ardless of h	peight	
			•		woody vine - Air w	oody villes, reg		leight.	
				·					
			= Total Cover		Hydrophytic				
			- Total Cover						
- <u></u>	50% of total cover:		-	:	Vegetation				
	50% of total cover:			:	Vegetation	Yes X	No		

A positive indication of hydrophytic vegetation was observed (Prevalence Index is \leq 3.00).

0-16 10YR 4/4 100 None	0-16 10YR 4/4 100 None	epth nches)	Matrix Color (moist)	%	Color (moist)		Features Type ¹	Loc ²	Texture	Remarks
Ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ?location: PL=Pore Lining, M=Matrix. ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: Histic Epipedion (A2) Thin Dark Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Organic Bocies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, U) Redox Dark Surface (F11) (MLRA 151) Other (Explain in Remarks) Depleted Bolow Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Depleted Bolow Dark Surface (A12) Urbor. Surface (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrophytic vegetation and wetland hydrophytic vegetation and wetland hydrophytic vegetation and sturbed or problematic. Sandy Mucky (S6) Piedmont Floodplain Soils (F12) (MLRA 149A) Stripped Matrix (S4) Sandy Mucky (S1) Piedmont Floodplain Soils (F12) (MLRA 149A) Stripped Matrix (S4) Sandy Mucky Mineral (S7) (LRR P, S, T, U) Dark Surface (S7) (MLRA 150, T) Jandicators of hydrophytic vegetation and wetland hydrology must be p	ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ?Location: PL=Pore Lining, M=Matrix. ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: Histicsol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histics (A3) Loamy Mucky Mineral (S1) Reduced Vertic (F18) (outside MLRA 150A) Hydrogen Sulfide (A4) Loamy Oleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Leamy Soils (F20) Organic Bochies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Stratified Layers (A7) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A10) (LRR P, T, U) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F12) (MLRA 151) 3 ⁻¹ ndicators of hydrophytic vegetation and wetland hydrophytic vegetation and wetland hydrophytic vegetation and wetland hydrophytic vegetation and sturbed or problematic. Sandy Mucky (S6) Pieldmont Floodplain Soils (F12) (MLRA 149A) - Sandy Mucky Mineral (S1) (LRR O, S) Pieldmont Floodplain Soils (F12) (MLRA 149A) - Sandy Mucky Mineral (S1) (LRR O, S) Pieldmont Floodplain Soils (F12) (ML					%	Туре		·	Reillarks
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, 150A) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, T) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mard (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mard (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thich X surface (A12) Torn-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Reduced Vertic (F13) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Dark Surface (S7) (LRR P, S, T, U) <td>0-16</td> <td>10YR 4/4</td> <td>100</td> <td>None</td> <td></td> <td></td> <td></td> <td>Clay Loam</td> <td></td>	0-16	10YR 4/4	100	None				Clay Loam	
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, 150A) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, T) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mard (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mard (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thich X surface (A12) Torn-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Reduced Vertic (F13) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Dark Surface (S7) (LRR P, S, T, U) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, 150A) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, T) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mard (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mard (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thich X surface (A12) Torn-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mari (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Reduced Vertic (F13) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Dark Surface (S7) (LRR P, S, T, U) <td><u> </u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	<u> </u>								
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Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) etamotic for problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Peter (if observed): No X Type:	Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) etamotic (F17) (MLRA 149A) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Estrictive Layer (if observed): Hydric Soil Present? Yes No X Type: No X memarks: Hydric Soil Present? Yes No X	Thick Darl	k Surface (A12)		Iron-Ma	anganese	Masses (F12) (LRR O, P, T)	³ Indicators of	hydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X eemarks: Eemarks:	Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X eemarks: Eemarks:	Coast Pra	irie Redox (A16) (MLRA 1504					wetland hydro	logy must be present, unless
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Type: Depth (inches): No x More and the second s	Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Bestrictive Layer (if observed): Type: Depth (inches): No X		,,,		·			- /	disturbed or p	roblematic.
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Image: Comparison of the second	Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Image: Comparison of the second			(LINICO, O)		•	, ,			
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	-				,		-		
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Bestrictive Layer (if observed): Hydric Soil Present? Yes No X	Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes NoX emarks:									
estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X emarks:	estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X emarks:	Stripped N	Matrix (S6)		Anoma	lous Brigh	t Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)	
Type:	Type: Hydric Soil Present? Yes NoX	Dark Surfa	ace (S7) (LRR P, \$	S, T, U)						
		1 (, <u> </u>							
o positive indication of hydric soils was observed.	a positive indication of hydric soils was observed.	emarks:								
		o positive indi	ication of hvdric so	oils was obs	erved.					
			·····, ····							

Project/Site:		Harvey Site					Parish:		West Feli	ciana	Sampling D	Sampling Date: March		3, 2018
Applicant/Owner:			Ba	ton Rouge Area	Chambe	r	State:			Louisiana	a Sample Po	oint:	: SL29	
Investigator(s):	(s): B. McNabb and T. Jo				T. Jone	s	Section, To	ownship	, Range:	Sec	tion 43, Towns	hip 4 South, F	Range	2 West
Landform (hillslope,	terrace, etc	c.):		Depressio	n		Local relie	f (conca	ave, conve	k, none):	Concave	Slope (%):		0-5
Subregion (LRR or I	MLRA):			LRR P			Lat:	30.72	23028°	Long:	-91.305910°	Datum:		NAD83
Soil Map Unit Name					#N/	/A				NWIC	Classification:		None	
Are climatic / hydrolo	ogic conditi	ons on	the site	e typical for this	time of ye	ar?	(Yes / No)		Yes	(if no,	explain in Rem	arks.)		
Are Vegetation	No	,Soil	No	or Hydrology	No	_signi	ficantly distu	rbed?	Are "Norm	nal Circumst	ances" present	? Yes	Х	No
Are Vegetation	No	,Soil	Yes	or Hydrology,	No	natur	rally problem	atic?		(If needed,	explain any ans	wers in Rem	arks.)	
SUMMARY OF	FINDIN	IGS -	Atta	ch site map	showi	ng sa	mpling p	oint I	ocation	s, transe	cts, import	ant featu	res, e	etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes X Yes X	No No No	Is the Sampled Area within a Wetland?	Yes <u>X</u> No
Remarks:				
This point was determined to be	within a wetland due	to the presence of all 3	wetland criteria.	
HYDROLOGY				
Wetland hydrology Indicators:				Secondary Indicators (minimum of two required)
Primary Indicators (minimum of c	one is required; check	all that apply)		Surface Soil Cracks (B6)
X Surface Water (A1)	_	Aquatic Fauna (B1	3)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)		Marl Deposits (B1	5) (LRR U)	Drainage Patterns (B10)
Saturation (A3)		Hydrogen Sulfide	Odor (C1)	Moss Trim Lines (B16)
Water Marks (B1)		Oxidized Rhizosph	eres on Living Roots(C	B) Dry-Season Water Table (C2)
Sediment Deposits (B2)		Presence of Reduc	ced Iron (C4)	Crayfish Burrows (C8)
Drift Deposits (B3)		Recent Iron Reduc	tion in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Thin Muck Surface	e (C7)	Geomorphic Position (D2)
Iron Deposits (B5)		Other (Explain in F	Remarks)	Shallow Aquitard (D3)
Inundation Visible on Aeria	al Imagery (B7)			X FAC-Neutral Test (D5)
Water-Stained Leaves (B9)			Sphagnum moss (D8) (LRR T, U)
Field Observations:				
Surface Water Present? Yes	X No	Depth (inches):	4	
Water Table Present? Yes		,		
Saturation Present? Yes (includes capillary fringe)	No X	Depth (inches):		d Hydrology Present? Yes X No

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

Remarks:

A positive indication of wetland hydrology was observed (at least one primary indicator).

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	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft.)	% cover	Species?	Status	Number of Dominant Species
1. Acer negundo	50	Yes	FAC	That Are OBL, FACW, or FAC: 5 (A)
2. Liquidambar styraciflua	40	Yes	FAC	
3. Celtis laevigata	30	Yes	FACW	Total Number of Dominant
4				Species Across All Strata: 6 (B)
5				
6.				Percent of Dominant Species
	120	= Total Cover		That Are OBL, FACW, or FAC: 83% (A/B)
50% of total cove	er: 60	20% of total cover:	24	
Sapling Stratum (Plot size: 30 ft.)				Prevalence Index Worksheet:
1. None Observed				Total % Cover of: Multiply by:
2				OBL species 0 x 1 = 0
3				FACW species 80 x 2 = 160
4				FAC species 170 x 3 = 510
5				FACU species 20 x 4 = 80
6				UPL species 0 x 5 = 0
		= Total Cover		Column Totals: 270 (A) 750 (E
50% of total cove	er:	20% of total cover:		、
Shrub Stratum (Plot size: 30 ft.)				Prevalence Index = B/A = 2.78
1. Ligustrum sinense	70	Yes	FAC	
2				Hydrophytic Vegetation Indicators:
3				1 - Rapid Test for Hydrophytic Vegetation
4				X 2 - Dominance Test is >50%
5				X 3 - Prevalence Index is $\leq 3.0^{1}$
6				Problematic Hydrophytic Vegetation ¹ (Explain)
0	70	= Total Cover		
50% of total cove		20% of total cover:	14	¹ Indicators of hydric soil and wetland hydrology must
Herb Stratum (Plot size: 30 ft.)	a. <u> </u>	2070 01 10101 00001.	17	be present, unless disturbed or problematic.
1. Arundinaria gigantea	50	Yes	FACW	Definitions of Five Vegetation Strata:
2. Galium aparine	20	Yes	FACU	Tree - Woody plants, excluding woody vines,
3. Rumex crispus	10	No	FAC	approximately 20 ft (6m) or more in height and 3 in.
			TAC	(7.6 cm) or larger in diameter at breast height (DBH).
4		<u> </u>		(7.0 GIT) OF larger in diameter at breast height (DDF).
5		<u> </u>		Sapling - Woody plants, excluding woody vines,
6				approximately 20 ft (6 m) or more in height and less
7				than 3 in. (7.6 cm) DBH.
8 9.			<u> </u>	
			<u> </u>	Shrub - Woody plants, excluding woody vines,
10 11.				approximately 3 to 20 ft (1 to 6 m) in height.
· · · · · · · · · · · · · · · · · · ·	80	= Total Cover		
50% of total cove		20% of total cover:	16	Herb - All herbaceous (non-woody) plants, including
	a. <u>40</u>		10	herbaceous vines, regardless of size, and woody
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft.</u>) 1. None Observed				plants, except woody vines, less than approximately
				3 ft (1 m) in height.
2				
3				Woody vine - All woody vines, regardless of height.
4				
5		= Total Cover		Hydrophytic
50% of total cove				Vegetation
	a			-
				Present? Yes X No
Demostrat (if abcoming list result stands to the	tiona halawa			
Remarks: (if observed, list morphological adapta	uons below).			
A positive indication of hydrophytic vegetation wa	s observed (>50% of dominant s	pecies indexe	ed as OBL, FACW, or FAC).
A positive indication of hydrophytic vegetation wa	s observed (Prevalence Index is :	≤ 3.00).	

epth _	Matrix			Redox I	eatures	firm the abser	·····,	
nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
	centration, D=Depl	letion RM=I	Reduced Matrix M	S=Masked	Sand Grains	² Location: P	L=Pore Lining, M=Matri	v
	dicators: (Applic					Location. 1		A. Iematic Hydric Soils ³ :
Histosol (A					Surface (S8) (L l		1 cm Muck (A9)	
	bedon (A2)				e (S9) (LRR S, '		2 cm Muck (A1)	
Black Histi					neral (F1) (LRR	-		(F18) (outside MLRA 150A,
	Sulfide (A4)			-		0)		Iplain Soils (F19) (LRR P, S,
				Gleyed Matrix (
	_ayers (A5)			ed Matrix (ght Loamy Soils (F20)
	odies (A6) (LRR P			Dark Surfa			(MLRA 153B)	
	ky Mineral (A7) (Lf		·	ed Dark Su	. ,		Red Parent Mat	
	sence (A8) (LRR U	J)		Depressio	()			ark Surface (TF12)
	k (A9) (LRR P, T)			10) (LRR	-		X Other (Explain i	in Remarks)
	Below Dark Surfac	e (A11)			(F11) (MLRA 1 8	-	a	
	k Surface (A12)			•	Masses (F12) (hydrophytic vegetation and
	irie Redox (A16) (N		·		F13) (LRR P, T ,	U)	disturbed or p	logy must be present, unless
	icky Mineral (S1) (I	LRR O, S)	Delta (Ochric (F17	") (MLRA 151)		alotalboa ol p	
	eyed Matrix (S4)				=18) (MLRA 15	-		
Sandy Red			Piedm	ont Floodp	lain Soils (F19)	(MLRA 149A)		
Stripped N	/latrix (S6)		Anoma	lous Brigh	t Loamy Soils (F	20) (MLRA 14	9A, 153C, 153D)	
Dark Surfa	ace (S7) (LRR P, S	S, T, U)						
Depth (inch	es):							
Depth (inch	les):						c Soil Present? Yes	
Depth (inche	es):							
emarks:		was aboan	ad					
emarks:	ation of hydric soil	was observ	ed.					
emarks:		was observ	ed.					
emarks: positive indica				e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			
emarks: positive indica	ation of hydric soil			e assumed	to be hydric.			

Project/Site:	Harvey Site					Parish:	West Feliciana			Sampling D)ate: N	Aarch 8	3, 2018	
Applicant/Owner:	Baton Rouge Area Chamber					State: Lo			Louisiana	Sample Po	oint:	SL	30	
Investigator(s):	В	B. McNabb and T. Jones				Section, Township, Range:			Sect	hip 4 South, F	4 South, Range 2 West			
Landform (hillslope, te	errace, e	etc.):		Hillslope			Local relie	f (conc	ave, convex,	none):	Convex	Slope (%):		5-10
Subregion (LRR or MI	LRA):			LRR P			Lat:	30.7	27401°	Long:	-91.306269°	Datum:		NAD83
Soil Map Unit Name:					/A				NWIC	lassification:		None		
Are climatic / hydrolog	jic conc	litions o	n the sit	te typical for this	time of ye	ear?	(Yes / No)		Yes	(if no, e	explain in Rema	arks.)		
Are Vegetation	No	_,Soil	No	or Hydrology	No	sigr	nificantly distu	rbed?	Are "Norma	al Circumsta	ances" present	? Yes	Х	No
Are Vegetation	No	_,Soil	No	or Hydrology	No	natu	urally problem	atic?	(lf needed, e	explain any ans	wers in Rema	arks.)	

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

Hydrophytic Vegetation Present?	Yes	No <u>X</u>						
lydric Soil Present?	Yes		Is the Sam	-				
Vetland Hydrology Present?	Yes	No <u>X</u>	within a W	etland?	Yes	<u>No X</u>		
Remarks:			I					
This point was determined not to	be within a wetland	l due to the lack	of all three wetland cr	teria.				
YDROLOGY Wetland hydrology Indicators:						· · · · · · · · · · · · · · · · · · ·		
		ak all that apply	\			s (minimum of two required)		
Primary Indicators (minimum of o	one is required; che	,	,	<u>.</u>	Surface Soil Cracks (B6)			
Surface Water (A1)	-		auna (B13)		Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)	-		osits (B15) (LRR U)		Drainage Patterns (B10)			
Saturation (A3)	-		n Sulfide Odor (C1)	$= D_{2} = t_{2}(O_{2})$	Moss Trim Lines (B16)			
Water Marks (B1)			Rhizospheres on Livin	g Rools(C3)	Dry-Season Water Table (C2)			
Sediment Deposits (B2)	-		of Reduced Iron (C4)		Crayfish Burrows (C8)			
Drift Deposits (B3)	-		on Reduction in Tilled	Solis (C6)	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	-		k Surface (C7)		Geomorphic Position (D2)			
Iron Deposits (B5)	-	Other (EX	plain in Remarks)		Shallow Aquitard (D3)			
Inundation Visible on Aeria	0,00,00				FAC-Neutral Test (D5)			
Water-Stained Leaves (BS	")				Spnagnum m	oss (D8) (LRR T, U)		
ield Observations:			(in almost). NI/A					
	No <u>X</u>	Depth	(inches): N/A					
Surface Water Present? Yes	No X	Depth	(inches): <u>N/A</u> (inches): <u>>20</u>					
Surface Water Present? Yes _ Vater Table Present? Yes _	No X No X No X	Depth		Wetland Hyd	rology Present?	Yes No X		

Remarks:

No positive indication of wetland hydrology was observed.

		Absolute	Dominant	Indicator	Dominance Test worksheet:			
Tree Stratum (Plot size:	30 ft)	% cover	Species?	Status	Number of Dominant Species			
1. None Observed	<u> </u>				That Are OBL, FACW, or FAC:	0	(A	A)
2							(.,
3					Total Number of Dominant			
4					Species Across All Strata:	0	(E	3)
5.							(=	-)
6			·		Percent of Dominant Species			
0			= Total Cover	. <u> </u>	That Are OBL, FACW, or FAC:	0	(A	4/B)
	50% of total anyor		20% of total cover:				(/	(D)
Sapling Stratum (Plot size:		·			Prevalence Index Worksheet:			
· · · · · · · · · · · · · · · · · · ·					Total % Cover of:	Mult	iply by:	
	<u> </u>		·		OBL species 0	x 1 =	0 0	
2						x 2 =	0	
3			·		FAC species 0			_
4			·		FACU species 0			_
5			·		UPL species 0			_
6			- Total Cover				0	(P)
	500/ 5/ / /		= Total Cover		Column Totals: 0	(A)	0	(B)
			20% of total cover:	·	David and the law D/A			
Shrub Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index = B/A	= <u> </u>	N/A	
			·					
2			·		Hydrophytic Vegetation Indicat			
3			·		1 - Rapid Test for Hydro		'n	
4					2 - Dominance Test is >			
5					3 - Prevalence Index is :			
6			·		Problematic Hydrophytic	c Vegetation' (E	xplain)	
			= Total Cover					
		:	20% of total cover:		¹ Indicators of hydric soil and wetl	and hydrology n	nust	
Herb Stratum (Plot size:	<u>30 ft.</u>)				be present, unless disturbed or p	roblematic.		
					Definitions of Five Vegetation	Strata:		
2					Tree - Woody plants, excluding	woody vines,		
3					approximately 20 ft (6m) or more	in height and 3	in.	
4					(7.6 cm) or larger in diameter at b	oreast height (DE	3H).	
5								
6					Sapling - Woody plants, excludin			
7					approximately 20 ft (6 m) or more	in height and le	SS	
8					than 3 in. (7.6 cm) DBH.			
9								
10					Shrub - Woody plants, excluding	woody vines,		
11					approximately 3 to 20 ft (1 to 6 m) in height.		
			= Total Cover					
	50% of total cover:		20% of total cover:		Herb - All herbaceous (non-wood	ly) plants, includ	ling	
Woody Vine Stratum (Plot size:	30 ft.)				herbaceous vines, regardless of s	size, <u>and</u> woody		
1. None Observed					plants, except woody vines, less	than approximat	ely	
2					3 ft (1 m) in height.			
3.								
4.					Woody vine - All woody vines, re	egardless of heig	jht.	
5.								
			= Total Cover		Hydrophytic			
	50% of total cover:	-	20% of total cover:		Vegetation			
		·			-	No X		
							-	
Remarks: (if observed, list mo	nnhological adaptatio	ons below)						
•		,						
No positive indication of hydro	phytic vegetation wa	s observed	(≥50% of dominant	species index	ed as FAC- or drier).			

epth nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
	<u> </u>							
	··							
				_				
	ncentration, D=Dep	lotion RM-F		S-Mookoo		² Location: DL	=Pore Lining, M=Matr	
	Indicators: (Applie							lematic Hydric Soils ³ :
Histosol					Surface (S8) (Ll		1 cm Muck (A9	
	pipedon (A2)				e (S9) (LRR S,		2 cm Muck (A1	
Black Hi	stic (A3) en Sulfide (A4)			Gleyed M	neral (F1) (LRR atrix (F2)	0)		: (F18) (outside MLRA 150A, Iplain Soils (F19) (LRR P, S, ⁻
	l Layers (A5)			ed Matrix (ght Loamy Soils (F20)
	Bodies (A6) (LRR F	P, T, U)		Dark Surfa			(MLRA 153B)	
5 cm Mu	icky Mineral (A7) (L	RR P, T, U)	Deplet	ed Dark Sı	urface (F7)		Red Parent Ma	terial (TF2)
	esence (A8) (LRR l	(ר		Depressio				ark Surface (TF12)
	ick (A9) (LRR P, T)	<i></i>		10) (LRR	-		Other (Explain	in Remarks)
	d Below Dark Surfac ark Surface (A12)	æ (A11)			(F11) (MLRA 15 Magaza (E12) (J	-	³ Indicators of	hydrophytic vegetation and
	rairie Redox (A16) (I	MLRA 150A		-	Masses (F12) (F13) (LRR P, T ,			blogy must be present, unless
	1ucky Mineral (S1) (7) (MLRA 151)	-,	disturbed or p	roblematic.
Sandy G	Bleyed Matrix (S4)				F18) (MLRA 15	DA, 150B)		
Sandy R	Redox (S5)		Piedm	ont Floodp	lain Soils (F19)	(MLRA 149A)		
	Matrix (S6)		Anoma	alous Brigh	t Loamy Soils (F	20) (MLRA 149A	, 153C, 153D)	
	rface (S7) (LRR P, S	o, ., o,						
	ayer (if observed):	:						
estrictive L Type:						Undria		Na
estrictive L Type:	ayer (if observed):					Hydric	Soil Present? Yes	No X
estrictive L Type:						Hydric	Soil Present? Yes	No X
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No X
estrictive L Type: Depth (inc						Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	NoX
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	NoX
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	NoX
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	NoX
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	NoX
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	No X
estrictive L Type: Depth (inc	ches):					Hydric	Soil Present? Yes	NoX

Project/Site:	Harvey Site						Parish:	West Feliciana			Sampling D	ate: N	March	8, 2018	
Applicant/Owner:	Baton Rouge Area Chamber					er		St	ate:	Louisiana	Sample Po	SL	SL31		
Investigator(s):	s): B. McNabb and				T. Jone	es	Section, T	ownsł	nip, Range:	e: Section 42, Township			4 South, Range 2 West		
Landform (hillslope, te	errace, e	etc.):		Plain			Local reli	ef (con	icave, convex,	none):	None	Slope (%):		0-5	
Subregion (LRR or MI	LRA):			LRR P			Lat:	30.	727060°	Long:	-91.303765°	Datum:		NAD83	
Soil Map Unit Name: #N/A				I/A				NWI Cla	assification:		None	9			
Are climatic / hydrolog	ic cond	itions or	n the sit	e typical for this	time of ye	ear?	(Yes / No)	Yes	(if no, ex	plain in Rema	arks.)			
Are Vegetation	No	,Soil	No	or Hydrology	No	signi	ificantly dist	urbed?	Are "Norm	al Circumstar	nces" present	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology	No	natu	rally probler	natic?		(If needed, ex	plain any ans	wers in Rem	arks.)		
				- -				! 4			4			- 1 -	

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

lydrophytic Vegetation Present' lydric Soil Present? Vetland Hydrology Present?	? Yes Yes Yes		No <u>X</u> No <u>X</u> No <u>X</u>	Is the Sampl within a Wet		Yes	No	x	
Remarks:									
This point was determined n	ot to be within a we	tland due	to the lack of all thre	ee wetland crite	ria.				
IYDROLOGY									
Wetland hydrology Indicat	ors:					Secondary Indicato	ors (minimum of	two required)	
Primary Indicators (minimum	n of one is required;		Surface Soil Cracks (B6)						
Surface Water (A1)			Aquatic Fauna (B1	3)		Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)		Marl Deposits (B1	5) (LRR U)		Drainage Patterns (B10)			
Saturation (A3)			Hydrogen Sulfide	Odor (C1)		Moss Trim Lines (B16)			
Water Marks (B1)			Oxidized Rhizosph	neres on Living	Roots(C3)	Dry-Season Water Table (C2)			
Sediment Deposits (B	2)		Presence of Reduc	Reduced Iron (C4) Crayfish Burrows (C8)					
Drift Deposits (B3)			Recent Iron Reduc	ction in Tilled So	oils (C6)	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4	.)		Thin Muck Surface	e (C7)		Geomorphic Position (D2)			
Iron Deposits (B5)			Other (Explain in F	Remarks)		Shallow Aquitard (D3)			
Inundation Visible on	Aerial Imagery (B7)					FAC-Neutral Test (D5)			
Water-Stained Leaves	s (B9)					Sphagnum r	noss (D8) (LRR	T, U)	
Field Observations:									
Surface Water Present? Ye	s No _	Х	Depth (inches):	N/A					
	s <u>No</u>		Depth (inches):	>20					
Saturation Present? Ye (includes capillary fringe)	s No _	x	Depth (inches):	>20	Wetland Hydr	ology Present?	Yes	No X	
			aerial photos, previ						

No positive indication of wetland hydrology was observed.

~ .	~ 4
SL	.31

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		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size:	<u>30 ft.</u>)	% cover	Species?	Status	Number of Dominant Species		
1. Pinus taeda		70	Yes	FAC	That Are OBL, FACW, or FAC:	3	(A)
2. Liquidambar styraciflua		45	Yes	FAC			. ,
3. Prunus serotina		35	Yes	FACU	Total Number of Dominant		
4.					Species Across All Strata:	6	(B)
5							()
6					Percent of Dominant Species		
ö		150	= Total Cover		That Are OBL, FACW, or FAC:	50%	(A/B)
	50% of total cover:		20% of total cover:	30			(,,,,,)
Sapling Stratum (Plot size:			2070 01 10121 00701.		Prevalence Index Worksheet:		
1. None Observed	<u> </u>				Total % Cover of:	Multiply by	
					OBL species 0	x 1 = 0	. <u> </u>
2					FACW species 0	x2 = 0	
3					· · · · · · · · · · · · · · · · · · ·	x3 = 450	
4					FAC species 150		
5					FACU species 70	x 4 = 280	
6					UPL species 0	x 5 =	(E)
			= Total Cover		Column Totals: 220	(A) 730	(B)
			20% of total cover:				
Shrub Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index = B/A	= 3.32	
1. Ligustrum sinense		35	Yes	FAC			
2. <u>Callicarpa americana</u>		20	Yes	FACU	Hydrophytic Vegetation Indicat		
3					1 - Rapid Test for Hydro	., .	
4					2 - Dominance Test is >		
5					3 - Prevalence Index is s		
6					Problematic Hydrophytic	c Vegetation' (Explain)	
			= Total Cover				
	50% of total cover:	27.5	20% of total cover:	11	¹ Indicators of hydric soil and wetla	and hydrology must	
Herb Stratum (Plot size:	<u>30 ft.</u>)				be present, unless disturbed or p	roblematic.	
1. Parthenocissus quinquefolia		15	Yes	FACU	Definitions of Five Vegetation S		
2					Tree - Woody plants, excluding v	woody vines,	
3					approximately 20 ft (6m) or more	in height and 3 in.	
4					(7.6 cm) or larger in diameter at b	oreast height (DBH).	
5							
6					Sapling - Woody plants, excludin		
7					approximately 20 ft (6 m) or more	in height and less	
8					than 3 in. (7.6 cm) DBH.		
9							
10					Shrub - Woody plants, excluding		
11					approximately 3 to 20 ft (1 to 6 m)) in height.	
		15	= Total Cover				
	50% of total cover:	7.5	20% of total cover:	3	Herb - All herbaceous (non-wood		
Woody Vine Stratum (Plot size:	<u>30 ft.</u>)				herbaceous vines, regardless of s		
1. None Observed					plants, except woody vines, less t	than approximately	
2					3 ft (1 m) in height.		
3							
4					Woody vine - All woody vines, re	egardless of height.	
5							
			= Total Cover		Hydrophytic		
	50% of total cover:		20% of total cover:		Vegetation		
					Present? Yes	No X	
Remarks: (if observed, list mor	rphological adaptatio	ns below).					
No positive indication of hydror	ohytic vegetation was	observed	(≥50% of dominant s	species index	ed as FAC- or drier).		
. , , , ,			,		,		

epth nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/6	95	10YR 5/3	5	D	М	Loam	
					. <u></u>			
					. <u> </u>			
	·		·		. <u></u>			
			·					
				<u> </u>		2	<u> </u>	
	oncentration, D=Dep s Indicators: (Applic					Location: PL	=Pore Lining, M=Mat	nx. Diematic Hydric Soils ³ :
Histoso			-		Surface (S8) (Ll		1 cm Muck (As	
	Epipedon (A2)				e (S9) (LRR S, '		2 cm Muck (A	
	listic (A3)				neral (F1) (LRR	-		c (F18) (outside MLRA 150A,
	en Sulfide (A4)			Gleyed Ma		0)		dplain Soils (F19) (LRR P, S ,
	ed Layers (A5)			ed Matrix (ight Loamy Soils (F20)
	c Bodies (A6) (LRR P	, T, U)		Dark Surfa			(MLRA 153B)	
5 cm M	lucky Mineral (A7) (L l	RR P, T, U)	Deplet	ed Dark Su	urface (F7)		Red Parent Ma	aterial (TF2)
Muck P	Presence (A8) (LRR L	I)	Redox	Depressio	ns (F8)		Very Shallow [Dark Surface (TF12)
1 cm M	luck (A9) (LRR P, T)		Marl (F	10) (LRR	U)		Other (Explain	in Remarks)
Deplete	ed Below Dark Surfac	e (A11)	Deplet	ed Ochric ((F11) (MLRA 15	51)	_	
Thick D	0ark Surface (A12)		Iron-M	anganese l	Masses (F12) (LRR O, P, T)		hydrophytic vegetation and
	Prairie Redox (A16) (I		·		F13) (LRR P, T ,	U)	disturbed or	ology must be present, unless problematic
	Mucky Mineral (S1) (LRR O, S)		•	7) (MLRA 151)			
-	Gleyed Matrix (S4)				F18) (MLRA 15 0	-		
	Redox (S5)				lain Soils (F19) t Loomy Soils (F		A 452C 452D)	
Suppe	d Matrix (S6)		Anoma	alous brign	Loamy Solis (F	20) (MLRA 149	4, 1530, 1530)	
	urface (S7) (LRR P, S							
	urface (S7) (LRR P, S Layer (if observed):							
estrictive Type:	Layer (if observed):							
estrictive Type:						Hydric	Soil Present? Yes	No X
estrictive Type: Depth (ir	Layer (if observed):					Hydric	Soil Present? Yes	No X
estrictive Type:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	NoX
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	NoX
estrictive Type: Depth (ir emarks:	Layer (if observed):					Hydric	Soil Present? Yes	No <u>X</u>

Project/Site:			Har∖	ey Site			Parish:		West Felic	iana	Sampling D	Date:	March	8, 2018	
Applicant/Owner:			Ba	ton Rouge Area	Chambe	er		Sta	ate:	Louisiana	Sample Po	pint:	S	L32	
Investigator(s):	B.	McNab	b	and	T. Jone	es	Section, 7	Fownsh	nip, Range:	Sect	ion 43, Towns	hip 4 South,	Range	e 2 West	
Landform (hillslope, te	errace, e	etc.):		Plain			Local reli	ef (con	cave, convex,	none):	None	Slope (%):		0-5	
Subregion (LRR or MI	LRA):			LRR P			Lat:	30.	725487°	Long:	-91.307495°	Datum	:	NAD83	
Soil Map Unit Name:					#N	I/A				NWI C	lassification:		Non	е	
Are climatic / hydrolog	jic cond	itions or	the sit	e typical for this	time of y	ear?	(Yes / No	o)	Yes	(if no, e	explain in Rem	arks.)			
Are Vegetation	No	,Soil	No	or Hydrology	No	sign	ificantly dist	urbed?	Are "Norm	al Circumsta	ances" present	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology	No	natu	rally probler	natic?		(If needed, e	explain any ans	wers in Rem	narks.)		
	FINDI	NGS .	. Δtta	ch site man	show	ina sa	ampling	noint	locations	transe	rts import	tant featu	res	etc	

Hydrophytic Vegetation Pre	sent?	Yes X		No					
Hydric Soil Present?		Yes		No X		npled Area			
Wetland Hydrology Presen	ť?	Yes		No <u>X</u>	within a V	Vetland?	Yes	No	<u>X</u>
Remarks:					1				
This point was determin	ned not to be	∍ within a we	land du	e to the lack of hydric	soils and we	etland hydrology.			
IYDROLOGY									
Wetland hydrology In	dicators:						Secondary Indicato	rs (minimum of	two required)
Primary Indicators (min	imum of one	is required;	check a	all that apply)			Surface Soil	Cracks (B6)	
Surface Water (A	\ 1)			_ Aquatic Fauna (B1	3)		Sparsely Veg	getated Concav	e Surface (B8)
High Water Tabl	e (A2)			Marl Deposits (B1	5) (LRR U)		Drainage Pa	tterns (B10)	
Saturation (A3)				Hydrogen Sulfide	Odor (C1)		Moss Trim L	ines (B16)	
Water Marks (B1)			Oxidized Rhizosph	neres on Livi	ng Roots(C3)	Dry-Season	Water Table (C	2)
Sediment Depos	its (B2)			Presence of Reduc	ced Iron (C4)		Crayfish Bur	rows (C8)	
Drift Deposits (B	3)			Recent Iron Reduc	tion in Tilled	Soils (C6)	Saturation Vi	sible on Aerial	lmagery (C9)
Algal Mat or Crus	st (B4)			Thin Muck Surface	e (C7)		Geomorphic	Position (D2)	
Iron Deposits (B	5)			Other (Explain in F	Remarks)		Shallow Aqu	itard (D3)	
Inundation Visibl	e on Aerial Ir	magery (B7)		_			X FAC-Neutral	Test (D5)	
Water-Stained Lo	eaves (B9)						Sphagnum n	noss (D8) (LRR	t, U)
Field Observations:									
Surface Water Present?	Yes	No	Х	Depth (inches):	N/A				
Nater Table Present?	Yes	No	Х	Depth (inches):	>20				
	Yes	No	x	Depth (inches):	>20	Wetland Hy	drology Present?	Yes	<u>No X</u>
Saturation Present? includes capillary fringe)						1			

No positive indication of wetland hydrology was observed.

Sampling Point:

- CI	27
- 31	_32

	-							
			Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum	(Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominant Species		
1. Liquidambar	styraciflua	,	40	Yes	FAC	That Are OBL, FACW, or FAC:	4	(A)
2. Celtis laeviga			30	Yes	FACW			()
3						Total Number of Dominant		
4.						Species Across All Strata:	5	(B)
5								(_)
						Percent of Dominant Species		
0			70	= Total Cover		That Are OBL, FACW, or FAC:	80%	(A/B)
		EQ9/ of total acyary		20% of total cover:	14	matrice obe, i Aow, of i Ao.	0070	(AD)
Carling Chatwar		50% of total cover:				Prevalence Index Worksheet:		
Sapling Stratum		<u>30 n.</u>)				Total % Cover of:	Multiply by	
1. None Observ							Multiply by:	
2						OBL species 0		
						FACW species 50	x2 =100	
						FAC species 110	x 3 = 330	
5						FACU species 25	x 4 = 100	
6						UPL species 0	x 5 = 0	
				= Total Cover		Column Totals: 185	(A) 530	(B)
				20% of total cover:				
Shrub Stratum	(Plot size:	<u>30 ft.</u>)				Prevalence Index = B/A =	= 2.86	
1. Ligustrum sin			70	Yes	FAC			
2						Hydrophytic Vegetation Indicate		
3						1 - Rapid Test for Hydro	• •	
4						X 2 - Dominance Test is >5		
5						X_3 - Prevalence Index is ≤	3.0 ¹	
6						Problematic Hydrophytic	Vegetation ¹ (Explain)	
			70	= Total Cover				
		50% of total cover:	35	20% of total cover:	14	¹ Indicators of hydric soil and wetla	and hydrology must	
Herb Stratum	(Plot size:	<u>30 ft.</u>)				be present, unless disturbed or pr	oblematic.	
1. <i>Lonicera japo</i>	nica		25	Yes	FACU	Definitions of Five Vegetation S	trata:	
2. <u>Arundinaria g</u>	igantea		20	Yes	FACW	Tree - Woody plants, excluding w	<i>v</i> oody vines,	
3						approximately 20 ft (6m) or more i	n height and 3 in.	
4						(7.6 cm) or larger in diameter at be	reast height (DBH).	
5								
6						Sapling - Woody plants, excluding		
7						approximately 20 ft (6 m) or more	in height and less	
8						than 3 in. (7.6 cm) DBH.		
9								
10						Shrub - Woody plants, excluding		
11						approximately 3 to 20 ft (1 to 6 m)	in height.	
			45	= Total Cover				
		50% of total cover:	22.5	20% of total cover:	9	Herb - All herbaceous (non-wood)		
Woody Vine Strat	tum (Plot size:	<u>30 ft.</u>)				herbaceous vines, regardless of s		
1. None Observ	ed					plants, except woody vines, less th	nan approximately	
2						3 ft (1 m) in height.		
4						Woody vine - All woody vines, reg	gardless of height.	
5								
				= Total Cover		Hydrophytic		
		50% of total cover:		20% of total cover:		Vegetation		
						Present? Yes X	No	
Remarks: (if	observed, list mo	rphological adaptatio	ns below).					
A positive indi	cation of hydroph	nytic vegetation was	observed (>50% of dominant s	pecies indexe	ed as OBL, FACW, or FAC).		
	2 1	- •	,	·		· · · · · · ·		
A positive ind	cation of hydroph	nytic vegetation was	observed (Prevalence Index is s	≤ 3.00).			

epth ches)	Color (moist)	%	Color (moist)	%	Features Type ¹	Loc ²	Texture	Remarks
0-16	10YR 5/4	100	None				Silt Loam	
					<u> </u>			
	oncentration, D=Dep	lation PM-	Poducod Matrix M	S-Maakad	Sond Croins	² Location: DI	=Pore Lining, M=Matr	iv.
	Indicators: (Appli					Location. PL		lematic Hydric Soils ³ :
			-					
Histosol					Surface (S8) (LF		1 cm Muck (A9	
	pipedon (A2)				e (S9) (LRR S, 1		2 cm Muck (A1	
	istic (A3)			•	neral (F1) (LRR	0)		(F18) (outside MLRA 150A,I
	en Sulfide (A4)			Gleyed M	. ,			Iplain Soils (F19) (LRR P, S, T
	d Layers (A5)			ed Matrix (ght Loamy Soils (F20)
	Bodies (A6) (LRR I			Dark Surfa	()		(MLRA 153B)	
	ucky Mineral (A7) (L				urface (F7)		Red Parent Ma	
	resence (A8) (LRR			Depressio				ark Surface (TF12)
	uck (A9) (LRR P, T)			10) (LRR			Other (Explain	in Remarks)
-	d Below Dark Surfa	ce (A11)			(F11) (MLRA 15	-	3	
	ark Surface (A12)			0	Masses (F12) (L			hydrophytic vegetation and
	rairie Redox (A16) (A) Umbrid	: Surface (F13) (LRR P, T,	U)	disturbed or p	logy must be present, unless
Sandy N	Mucky Mineral (S1)	(LRR O, S)	Delta C	Ochric (F17	7) (MLRA 151)			robiematio.
Sandy G	Gleyed Matrix (S4)		Reduc	ed Vertic (I	F18) (MLRA 150	A, 150B)		
Sandy F	Redox (S5)		Piedmo	ont Floodp	lain Soils (F19) (MLRA 149A)		
Strinnor								
Suipped	Matrix (S6)		Anoma	lous Brigh	t Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)	
Dark Su strictive L Type:	urface (S7) (LRR P, .ayer (if observed)	:		lous Brigh	t Loamy Soils (F			No X
Dark Su estrictive L Type: Depth (ind	Irface (S7) (LRR P,	:		lous Brigh	t Loamy Soils (F		A, 153C, 153D) : Soil Present? Yes	No X
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, .ayer (if observed)	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			NoX
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			NoX
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			NoX
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			NoX
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			NoX
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			NoX
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			NoX
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			No <u>X</u>
Dark Su estrictive L Type: Depth (in emarks:	urface (S7) (LRR P, _ayer (if observed) 	:		lous Brigh	t Loamy Soils (F			NoX

Project/Site:			Har∖	/ey Site			Parish:		West Feli	ciana	Sampling D)ate:	March	8, 2018
Applicant/Owner:			Ba	aton Rouge Area	a Chambe	ər		Sta	te:	Louisiana	Sample Po	oint:	SL	.33
Investigator(s):	В	. McNat	b	and	T. Jon	es	Section, To	ownshi	p, Range:	Secti	on 43, Towns	hip 4 South,	Range	2 West
Landform (hillslope,	terrace, e	etc.):		Depressi	on		Local relie	f (conc	ave, conve	, none):	Concave	Slope (%):		0-5
Subregion (LRR or I	MLRA):			LRR P			Lat:	30.7	′24935°	Long:	-91.306343°	Datum	:	NAD83
Soil Map Unit Name	:				#N	J/A				NWIC	assification:		None	9
Are climatic / hydrolo	ogic cond	itions or	n the sit	e typical for this	time of y	ear?	(Yes / No))	Yes	(if no, e	xplain in Rem	arks.)		
Are Vegetation	No	,Soil	No	or Hydrology,	No	signi	ficantly distu	rbed?	Are "Norm	nal Circumsta	nces" present	? Yes	Х	No
Are Vegetation	No	,Soil	No	or Hydrology,	No	natur	ally problem	atic?		(If needed, e	xplain any ans	wers in Rem	narks.)	
SUMMARY OF	FINDI	NGS	- Atta	ch site map	show	ing sa	mpling p	oint	location	s, transec	ts, import	tant featu	ires, o	etc.
Hydrophytic Vegeta	ation Pres	sent?	Ye	s X	No									

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X No	Is the Sampled A within a Wetland	X	No	
Remarks: This point was determined to be	within a we	tland due to the pre	sence of all 3 wetland criteria.			
HYDROLOGY						

Wetland hydrology In	dicators:					Secondary Indicators (minimum of two required)
Primary Indicators (mir	imum of on	ie is required	l; check a	all that apply)		Surface Soil Cracks (B6)
Surface Water (A	A1)			Aquatic Fauna (B13)		Sparsely Vegetated Concave Surface (B8)
High Water Tabl	e (A2)			Marl Deposits (B15) (LRR U)		Drainage Patterns (B10)
X Saturation (A3)				Hydrogen Sulfide Odor (C1)		Moss Trim Lines (B16)
Water Marks (B1)			Oxidized Rhizospheres on Liv	ving Roots(C3)	Dry-Season Water Table (C2)
Sediment Depos	its (B2)			Presence of Reduced Iron (C	4)	Crayfish Burrows (C8)
X Drift Deposits (B	3)			Recent Iron Reduction in Tille	ed Soils (C6)	Saturation Visible on Aerial Imagery (C9)
X Algal Mat or Cru	st (B4)			Thin Muck Surface (C7)		Geomorphic Position (D2)
Iron Deposits (B	5)			Other (Explain in Remarks)		Shallow Aquitard (D3)
Inundation Visib	e on Aerial	Imagery (B7)			X FAC-Neutral Test (D5)
Water-Stained L	eaves (B9)					Sphagnum moss (D8) (LRR T, U)
ield Observations:						
urface Water Present?	Yes	No	Х	Depth (inches): N/A		
/ater Table Present?	Yes	No	Х	Depth (inches): >20	_	
aturation Present?	Yes	X No		Depth (inches): 0-12	Wetland H	lydrology Present? Yes X No
includes capillary fringe)						

Remarks:

A positive indication of wetland hydrology was observed (at least one primary indicator).

Sampling Point: SL33

e	1 2 2
3	LJJ

	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: 30 ft.)	% cover	Species?	Status	Number of Dominant Species
1. Liquidambar styraciflua	40	Yes	FAC	That Are OBL, FACW, or FAC: 5 (A)
2. Celtis laevigata	30	Yes	FACW	
3		·		Total Number of Dominant
4.		·	. <u> </u>	Species Across All Strata: 6 (B)
5		·	. <u> </u>	
6		·		Percent of Dominant Species
···	70	= Total Cover		That Are OBL, FACW, or FAC: 83% (A/B)
50% of total cove		20% of total cover:	14	
Sapling Stratum (Plot size: 30 ft.)	n. <u> </u>			Prevalence Index Worksheet:
1. None Observed				Total % Cover of: Multiply by:
		·		
2		·		· <u> </u>
3			<u> </u>	FACW species $60 x^2 = 120$
4		·	. <u> </u>	FAC species 140 x 3 = 420
5		·		FACU species 25 x 4 = 100
6			<u> </u>	UPL species5 x 5 =5
		= Total Cover		Column Totals: <u>230</u> (A) <u>665</u> (B)
50% of total cove	er:	20% of total cover:		
<u>Shrub Stratum</u> (Plot size: <u>30 ft.</u>)				Prevalence Index = B/A = 2.89
1. Ligustrum sinense	70	Yes	FAC	
2				Hydrophytic Vegetation Indicators:
3				1 - Rapid Test for Hydrophytic Vegetation
4				X 2 - Dominance Test is >50%
5				X 3 - Prevalence Index is $\leq 3.0^{1}$
6				Problematic Hydrophytic Vegetation ¹ (Explain)
	70	= Total Cover		
50% of total cove	-	20% of total cover:	14	¹ Indicators of hydric soil and wetland hydrology must
Herb Stratum (Plot size: 30 ft.)				be present, unless disturbed or problematic.
1. Lonicera japonica	25	Yes	FACU	Definitions of Five Vegetation Strata:
2. Arundinaria gigantea	20	Yes	FACW	Tree - Woody plants, excluding woody vines,
3. Rhus copallinum	5	No	UPL	approximately 20 ft (6m) or more in height and 3 in.
Ampolonoio orboroo	30	·	FAC	
4. <u>Ampelopsis arborea</u>		Yes		(7.6 cm) or larger in diameter at breast height (DBH).
5. <u>Galium obtusum</u>	10	No	FACW	Sapling - Woody plants, excluding woody vines,
6		·	. <u> </u>	approximately 20 ft (6 m) or more in height and less
7		·		
8			<u> </u>	than 3 in. (7.6 cm) DBH.
9		·		Obertha Marshard and a statistic second strengthering
10				Shrub - Woody plants, excluding woody vines,
11				approximately 3 to 20 ft (1 to 6 m) in height.
	90	= Total Cover		
50% of total cove	er: 45	20% of total cover:	18	Herb - All herbaceous (non-woody) plants, including
Woody Vine Stratum (Plot size: 30 ft.)				herbaceous vines, regardless of size, and woody
1. None Observed				plants, except woody vines, less than approximately
2				3 ft (1 m) in height.
3		·	. <u> </u>	
۸		·		Woody vine - All woody vines, regardless of height.
5		·		
5		= Total Cover		Hydrophytic
50% of total cove		20% of total cover:		Vegetation
	я			-
				Present? Yes X No
Demosilos (if shoon of list merris latic to the	tiona kalawa			
Remarks: (if observed, list morphological adapta	uons below).			
A positive indication of hydrophytic vegetation wa	s observed (>50% of dominant s	pecies indexe	ed as OBL, FACW, or FAC).
A positive indication of hydrophytic vegetation wa	s observed (Prevalence Index is	≤ 3.00).	

SL33

epth	Matrix				eatures	2		
iches)	Color (moist)	%	Color (moist)	%	Туре'	Loc ²	Texture	Remarks
0-16	10YR 4/2	95	10YR 5/6	5	C	М	Silt Loam	
vpe: C=Co	oncentration, D=Deplet	tion. RM=Re	duced Matrix. M	S=Masked	Sand Grains.	² Location:	PL=Pore Lining, M=Ma	trix.
	Indicators: (Applica							blematic Hydric Soils ³ :
, Histosol					, Surface (S8) (Li	R S. T. U)	1 cm Muck (A	
	pipedon (A2)				(S9) (LRR S,		2 cm Muck (A	,
	istic (A3)				eral (F1) (LRR			ic (F18) (outside MLRA 150A,I
				-		0)		
	en Sulfide (A4)			Gleyed Ma				odplain Soils (F19) (LRR P, S, 1
	d Layers (A5)		·	ed Matrix (F	,			ight Loamy Soils (F20)
-	Bodies (A6) (LRR P,			Dark Surfa			(MLRA 153B)	
	ucky Mineral (A7) (LRI			ed Dark Su	. ,		Red Parent M	
	resence (A8) (LRR U)			Depression				Dark Surface (TF12)
1 cm Mi	uck (A9) (LRR P, T)		Marl (F	10) (LRR L	J)		Other (Explain	i in Remarks)
Deplete	d Below Dark Surface	(A11)	Deplet	ed Ochric (I	=11) (MLRA 15	1)	_	
Thick D	ark Surface (A12)		Iron-M	anganese N	lasses (F12) (l	.RR O, P, T)		f hydrophytic vegetation and
Coast P	rairie Redox (A16) (MI	LRA 150A)	Umbrie	c Surface (F	13) (LRR P, T,	U)	,	ology must be present, unless
Sandy M	/lucky Mineral (S1) (Lf	RR O, S)	Delta (Ochric (F17)	(MLRA 151)		disturbed or	problematic.
Sandy 0	Gleyed Matrix (S4)		Reduc	ed Vertic (F	18) (MLRA 15 0	A, 150B)		
Sandy F	Redox (S5)		Piedm	ont Floodpla	ain Soils (F19)	MLRA 149A	.)	
Stripped	Matrix (S6)		Anoma	alous Bright	Loamy Soils (F	20) (MLRA 1	49A, 153C, 153D)	
	Irface (S7) (LRR P, S,	T. U)				, ,	,	
		<i>y</i> - <i>y</i>						
estrictive l	_ayer (if observed):							
Type						Hv	dric Soil Present? Ver	s <u>X</u> No
Type: Depth (in						i i y		
• •	ches):							
Depth (in								
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Depth (in	ches):							
Depth (in	ches):							

Project/Site:			Harv	ey Site			Parish:		West Felici	ana	Sampling D	Date: N	larch 9	, 2018	
Applicant/Owner:			Ba	ton Rouge Area	a Chambe	er		Sta	ate:	Louisiana	Sample Po	oint:	SL:	34	
Investigator(s):	В.	McNab	b	and	T. Jone	es	Section, T	ownsh	iip, Range:	Sect	ion 43, Townsl	hip 4 South, F	Range	2 West	
Landform (hillslope, te	errace, e	tc.):		Hillslope	Э		Local relie	f (con	cave, convex,	none):	Convex	Slope (%):		10-20	
Subregion (LRR or ML	LRA):			LRR P			Lat:	30.	726622°	Long:	-91.309658°	Datum:		NAD83	
Soil Map Unit Name:					#N	I/A				NWIC	lassification:		None		
Are climatic / hydrolog	jic condi	tions or	the site	e typical for this	time of ye	ear?	(Yes / No)	Yes	(if no, e	xplain in Rema	arks.)			
Are Vegetation	No	,Soil	No	or Hydrology,	No	sigr	nificantly distu	rbed?	Are "Norma	al Circumsta	nces" present	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology	No	nati	urally problem	atic?	(lf needed, e	xplain any ans	wers in Rema	arks.)		

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

Remarks: This point was determined not to be within a wetland due to the lack of hydric soils and wetland hydrology. HYDROLOGY Wetland hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (I) Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (I) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B') Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (A2) Bediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3) Water-Stained Leaves (B9) Sphagnum moss (D8 Sphagnum moss (D8 Field Observations: No X Depth (inches): >20 Saturation Present? Yes No X Depth (inches): >20	
This point was determined not to be within a wetland due to the lack of hydric soils and wetland hydrology. INTROLOGY Wetland hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (intermediation of the secondary Indicators (minim) Surface Water (A1)	No <u>X</u>
HYDROLOGY Wetland hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (inclusion)	
Wetland hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (I High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (A2) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (A2) Drift Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Algal Mat or Crust (B4) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water Present? Yes No Xuface Water Present? Yes No Saturation Present? Yes No Xuface Water Table Present? Yes No Saturation Present? Yes No X Depth (inches): >20 Wetland Hydrology Present? Yes <td></td>	
Wetland hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (I High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (A2) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (A2) Drift Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Algal Mat or Crust (B4) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water Present? Yes No Xuface Water Present? Yes No Saturation Present? Yes No Xuface Water Table Present? Yes No Saturation Present? Yes No X Depth (inches): >20 Wetland Hydrology Present? Yes <th></th>	
Wetland hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply)	
Wetland hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (I High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (A2) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (A2) Drift Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8 Water Table Present? Yes No X Water Table Present? Yes No X Saturation Present? Yes No X Depth (inches): >20 Wetland Hydrology Present? Yes Yes	
Primary Indicators (minimum of one is required; check all that apply) Surface Vater (A1) Surface Soil Cracks (I	
Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated C High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B16) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Table (A2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (B7) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water Table Present? Yes No Xuer Table Present? Yes No Xuer Depth (inches):	imum of two required)
High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B15) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Ta Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Algal Mat or Crust (B4) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water Table Present? Yes No Xuer Table Present? Yes	; (B6)
Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16 Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Ta Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8 Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on A Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3 Water Stained Leaves (B9) Pepth (inches): N/A Surface Water Present? Yes No X Mater Table Present? Yes No X Depth (inches): >20 Wetland Hydrology Present? Yes No X Depth (inches): >20	Concave Surface (B8)
Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Dry-Season Water Ta Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Algal Mat or Crust (B4) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3) Water-Stained Leaves (B9) Depth (inches): N/A Surface Water Present? Yes No X No X Depth (inches): >20 Wetland Hydrology Present? Yes Yes Yes	B10)
Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8 Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Algal Mat or Crust (B4) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3 Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) FAC-Neutral Test (D5 Water-Stained Leaves (B9) Sphagnum moss (D8 Field Observations: No X Surface Water Present? Yes No No X Depth (inches): >20 Wetland Hydrology Present? Yes Yes Yes	16)
Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Geomorphic Position Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3 Water-Stained Leaves (B9) FAC-Neutral Test (D5 Sphagnum moss (D8 Field Observations: No X Depth (inches): N/A Water Table Present? Yes No X Depth (inches): >20 Saturation Present? Yes No X Depth (inches): >20 Wetland Hydrology Present? Yes	Table (C2)
Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) Field Observations: No X Surface Water Present? Yes No X Nater Table Present? Yes No X Saturation Present? Yes No X Saturation Present? Yes No X	28)
Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) Field Observations: Sphagnum moss (D8) Surface Water Present? Yes No X Depth (inches): Nater Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches):	n Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5 Water-Stained Leaves (B9) Sphagnum moss (D8 Field Observations: Sphagnum moss (D8 Surface Water Present? Yes No X Depth (inches): N/A Nater Table Present? Yes No X Depth (inches): >20 Saturation Present? Yes No X Depth (inches): >20 Wetland Hydrology Present? Yes	n (D2)
Water-Stained Leaves (B9) Sphagnum moss (D8 Field Observations: Surface Water Present? Surface Water Present? Yes No X Depth (inches): Nater Table Present? Yes Saturation Present? Yes No X Depth (inches): >20 Wetland Hydrology Present? Yes)3)
Field Observations: Surface Water Present? Yes NoX Depth (inches): Nater Table Present? Yes NoX Depth (inches): Saturation Present? Yes NoX Depth (inches):	25)
Surface Water Present? Yes No X Depth (inches): N/A Nater Table Present? Yes No X Depth (inches): >20 Saturation Present? Yes No X Depth (inches): >20	98) (LRR T, U)
Water Table Present? Yes NoX Depth (inches):20 Yes No Depth (inches):20 Wetland Hydrology Present? Yes	
Water Table Present? Yes NoX Depth (inches):20 Yes Wetland Hydrology Present? Yes Saturation Present? Yes NoX Depth (inches):20 Wetland Hydrology Present? Yes	
(includes capillary fringe)	No <u>X</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	

Sampling Point: SL34

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SL	-34

		Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	<u>30 ft.</u>)	% cover	Species?	Status	Number of Dominant Species	
1. Quercus falcata		50	Yes	FACU	That Are OBL, FACW, or FAC: 4	(A)
2. Liquidambar styraciflua		40	Yes	FAC		,
3. Ulmus americana		30	Yes	FAC	Total Number of Dominant	
4. Prunus serotina		25	No	FACU	Species Across All Strata: 7	(B)
5. Cornus florida		25	No	UPL		_ (0)
		20			Demonst of Deminant Creation	
6. Platanus occidentalis			<u>No</u>	FACW	Percent of Dominant Species	
			= Total Cover		That Are OBL, FACW, or FAC: 57%	(A/B)
	50% of total cover:	95	20% of total cover:	38	Dravalance Index Werkeheet:	
Sapling Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index Worksheet:	
1. None Observed					Total % Cover of: Multiply by	/:
2					OBL species 0 x 1 = 0	
3					FACW species 20 x 2 = 40	
4					FAC species 170 x 3 = 510	
5					FACU species 120 x 4 = 480	
6					UPL species 50 x 5 = 250	
			= Total Cover		Column Totals: 360 (A) 128	
	50% of total cover:					
Shrub Stratum (Plot size:					Prevalence Index = B/A = 3.56	
	<u>30 ft.</u>)	<u> </u>	Vee	EAC	Flevalence index – B/A – 3.36	
1. <u>Ligustrum sinense</u>		60	Yes	FAC	Hadaa kada Manafadan kada as	
2. <u>Callicarpa americana</u>		30	Yes	FACU	Hydrophytic Vegetation Indicators:	
3					1 - Rapid Test for Hydrophytic Vegetation	
4					X 2 - Dominance Test is >50%	
5					3 - Prevalence Index is $\leq 3.0^1$	
6					Problematic Hydrophytic Vegetation ¹ (Explain)
		90	= Total Cover			
	50% of total cover:	45	20% of total cover:	18	¹ Indicators of hydric soil and wetland hydrology must	
Herb Stratum (Plot size:	30 ft.)				be present, unless disturbed or problematic.	
1. Toxicodendron radicans	,	40	Yes	FAC	Definitions of Five Vegetation Strata:	
2. Polystichum setiferum		20	Yes	UPL	Tree - Woody plants, excluding woody vines,	
3. Quercus falcata		15	No	FACU	approximately 20 ft (6m) or more in height and 3 in.	
A Trillium Iudovicionum		5	No	UPL		
			<u></u>	UFL	(7.6 cm) or larger in diameter at breast height (DBH).	
5					Sapling - Woody plants, excluding woody vines,	
6					approximately 20 ft (6 m) or more in height and less	
7						
8					than 3 in. (7.6 cm) DBH.	
9						
10					Shrub - Woody plants, excluding woody vines,	
11					approximately 3 to 20 ft (1 to 6 m) in height.	
		80	= Total Cover			
	50% of total cover:	40	20% of total cover:	16	Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size:	30 ft.)				herbaceous vines, regardless of size, and woody	
1. None Observed	(plants, except woody vines, less than approximately	
					3 ft (1 m) in height.	
2						
3					Woody vine - All woody vines, regardless of height.	
4				<u> </u>	woody vine - vir woody vines, regulatess of height.	
5						
			= Total Cover		Hydrophytic	
	50% of total cover:		20% of total cover:		Vegetation	
					Present? Yes X No	
Remarks: (if observed, list mor	phological adaptatic	ons below).				
		,				
A positive indication of hydroph	ytic vegetation was	observed (>50% of dominant sp	pecies indexe	red as OBL, FACW, or FAC).	

0-8 10YR 3/3 100 None)epth	Matrix			Redox	eatures			
8-16 10YR 4/6 100 None	nches)	Color (moist)	%	Color (moist)	%	Туре'	Loc ²	Texture	Remarks
Fype: C=Concentration. D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Fype: C=Concentration. D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Histosol (A1) Polyvalue Below Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A1) Polyvalue Below Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Gleyed Matrix (F2) Pledmont Floodplain Soils (F19) (LRR P, S, T) Graphic Bodies (A6) (LRR P, T, U) Red cod Vertic (F13) Anomalous Bright Leamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Red cod Vertic (F11) Muck A163B) S cm Muck (Mineral (A7) (LRR P, T, U) Red cod Vertic (F11) (MLRA 151) Red Parent Material (TF2) 1 cm Muck (A9) (LRR P, T) Red cod Vertic (F11) (MLRA 151) Other (Explain in Remarks) Depleted Dothric (F17) (MLRA 151) Depleted Ochric (F17) (MLRA 151) 3 ¹ ndicators of hydrophylic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Depleted Ochric (F12) (MLRA 151) 3 ¹ ndicators of hydrophylic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Depleted Ochric (F12) (MLRA 151) Defleted Ochric (F12) (MLRA 15	0-8	10YR 3/3	100	None				Silt loam	
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, 190) Stratified Layers (A5) Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, 1 Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 6 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T, U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T, U) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F13) (LRR P, T, U) Other (Explain in Remarks) 3 and (Geved Matrix (S4) Detta Ochric (F17) (MLRA 150, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Leamy Soils (F20) (MLRA 149A, 153C, 153D) Dar	8-16	10YR 4/6	100	None				Silt loam	
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, 190) Stratified Layers (A5) Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, 1 Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 6 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T, U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T, U) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F13) (LRR P, T, U) Other (Explain in Remarks) 3 and (Geved Matrix (S4) Detta Ochric (F17) (MLRA 150, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Leamy Soils (F20) (MLRA 149A, 153C, 153D) Dar									
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Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Hydrogen Suffide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A), 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X No X termarks: Loamy (if observed): Type: N			cable to al			,			•
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A, 190A) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X Memarks: Depth (inches): Hydric Soil Present		()							
Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X Meemarks: Hydric Soil Present? Yes No X									
Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delte Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) testrictive Layer (if observed): Type: No X Type:		· ,			-		O)		
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thoick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Stripped Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X				Loamy	Gleyed Ma	atrix (F2)			
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) testrictive Layer (if observed): Type: Type: No Depth (inches): No temarks:								Anomalous Bri	ght Loamy Soils (F20)
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X testrictive Layer (if observed): Yes Type: No X Depth (inches): No X	-					()			
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X testrictive Layer (if observed): Yee Type: No X Depth (inches): No X		• • • • •							
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X		, , ,			-				· · · ·
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) attributed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) attributed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) better tributed or present? Yes Depth (inches): Type: No X Memory Exercise Hydric Soil Present? Yes No X	1 cm M	uck (A9) (LRR P, T)				-		Other (Explain	in Remarks)
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) No testrictive Layer (if observed): Type: No X Depth (inches): No X temarks: Remarks: No X			ce (A11)				-	3	
Godd (110) (MERCITION)		()			-	. , .			, , , ,
Sandy Mudcky Milleral (S1) (LRR O, S)							U)		
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Piedmont Floodplain Soils (F19) (MLRA 149A, 153C, 153D) Depth (inches): No X Remarks:		,	(LRR O, S)			, ,		r	
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) testrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X							-		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X Remarks:					-				
Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X		d Matrix (S6)		Anoma	alous Brigh	t Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)	
Type:									
	testrictive I Type:	Layer (if observed)	:				Hudrid	Soil Procent? Voc	No Y
lo positive indication of hydric soils was observed.	testrictive I Type:	Layer (if observed)	:				Hydric	Soil Present? Yes	No X
	testrictive I Type:	Layer (if observed)	:				Hydric	: Soil Present? Yes	No <u>X</u>
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No <u>X</u>
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No <u>X</u>
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No <u>X</u>
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No <u>X</u>
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No <u>X</u>
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No <u>X</u>
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No <u>X</u>
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No <u>X</u>
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No <u>X</u>
	Eestrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No <u>X</u>
	Eestrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	NoX
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No X
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No <u>X</u>
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	No X
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	NoX
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	NoX
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	NoX
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	NoX
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	NoX
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	NoX
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	NoX
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	NoX
	Restrictive I Type: Depth (in Remarks:	Layer (if observed)	:	served.			Hydric	: Soil Present? Yes	NoX

Project/Site:			Harv	vey Site		P	arish:		West Felic	iana	Sampling D	ate:	March	9, 2018
Applicant/Owner:			Ba	aton Rouge Area	Chamber			Sta	te:	Louisiana	Sample Poi	int:	SL	_35
Investigator(s):	В	. McNab	b	and	T. Jones	<u>s</u> S	ection, T	ownshi	p, Range:	Section	on 42, Townsh	nip 4 South,	Range	2 West
Landform (hillslope, te	errace, e	etc.):		Plain		L	.ocal relie	ef (conc	ave, convex	none):	Concave	Slope (%):		0-5
Subregion (LRR or ML	LRA):			LRR P			Lat:	30.7	′24023°	Long:	-91.304669°	Datum	:	NAD83
Soil Map Unit Name:					#N//	A				NWIC	assification:		None	e
Are climatic / hydrolog	ic cond	itions or	n the sit	e typical for this	time of yea	ar? ((Yes / No))	Yes	(if no, ex	oplain in Rema	arks.)		
Are Vegetation	No	_,Soil	No	or Hydrology	No	significa	antly distu	irbed?	Are "Norm	al Circumsta	nces" present?	Yes	Х	No
Are Vegetation	No	,Soil	No	or Hydrology,	No	naturally	y problem	natic?		(If needed, ex	plain any ans	wers in Rem	narks.)	
SUMMARY OF I	FINDI	NGS	Atta	ch site map	showir	ng sam	pling p	ooint	locations	s, transec	ts, import	ant featu	ires,	etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?		x x x	No No No	Is the Sampled Area within a Wetland?	Yes <u>X</u>	<u>.</u>	No
Remarks:							
This point was determined to be w	within a we	etland du	e to the presence o	of all 3 wetland criteria.			

HYDROLOGY
VAL - 41

Wetland hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check al	l that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Marl Deposits (B15) (LRR U)	Drainage Patterns (B10)
Saturation (A3)	Hydrogen Sulfide Odor (C1)	Moss Trim Lines (B16)
Water Marks (B1) X	Oxidized Rhizospheres on Living Root	s(C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Drift Deposits (B3)	Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5)	Other (Explain in Remarks)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)		FAC-Neutral Test (D5)
X Water-Stained Leaves (B9)		Sphagnum moss (D8) (LRR T, U)
Field Observations:		
Surface Water Present? Yes No X	Depth (inches): N/A	
Water Table Present? Yes NoX	Depth (inches): >20	
Saturation Present? Yes No X	Depth (inches): >20 We	etland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well	, aerial photos, previous inspections), if a	available:
Remarks:		

A positive indication of wetland hydrology was observed (at least one primary indicator).

Sampling Point: SL35

					Densie - Testande hest		
		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size:	<u>30 ft.</u>)	% cover	Species?	Status	Number of Dominant Species		
1. Liquidambar styraciflua		45	Yes	FAC	That Are OBL, FACW, or FAC:	2	(A)
2							
3			. <u> </u>		Total Number of Dominant		
4			<u> </u>		Species Across All Strata:	3	(B)
5							
6					Percent of Dominant Species		
		45	= Total Cover		That Are OBL, FACW, or FAC:	67%	(A/B)
	50% of total cover	r: 22.5	20% of total cover:	9			
Sapling Stratum (Plot size:	<u>30 ft.</u>)				Prevalence Index Worksheet:		
1. None Observed					Total % Cover of:	Multiply by	/:
2.					OBL species 0	x 1 = 0	
3.					FACW species 80	x 2 = 160	
4.					FAC species 45	x 3 = 135	
5.					FACU species 0	x 4 = 0	
6.			· · · · · · · · · · · · · · · · · · ·		UPL species 25	x 5 = 125	
· · · ·			= Total Cover		Column Totals: 150	(A) 420	
	50% of total cover		20% of total cover:			(.)	(-)
Shrub Stratum (Plot size:					Prevalence Index = B/A =	2.80	
1. None Observed	(
2			·		Hydrophytic Vegetation Indicator	s.	
3			·		1 - Rapid Test for Hydroph		
			- <u> </u>		X 2 - Dominance Test is >50	, ,	
4 5			·		X 3 - Prevalence Index is ≤ 3		
5			·		Problematic Hydrophytic V)
6			= Total Cover)
	50% of total anyo		-		¹ Indicators of hydric soil and wetlan	d bydrology must	
Herb Stratum (Plot size:		··	20% of total cover:		be present, unless disturbed or prob	, ,,	
1. Arundinaria gigantea		80	Yes		- · · ·		
		<u>80</u> 25	Yes	FACW UPL	Definitions of Five Vegetation Str Tree - Woody plants, excluding wo		
		25	165	UFL		-	
3					approximately 20 ft (6m) or more in		
4					(7.6 cm) or larger in diameter at brea	ast neight (DBH).	
5					Sapling - Woody plants, excluding	woody vines	
6					approximately 20 ft (6 m) or more in	-	
7			·		than 3 in. (7.6 cm) DBH.	neight and leee	
8			·				
9			·		Shrub - Woody plants, excluding w	oody vines	
10	<u> </u>		·		approximately 3 to 20 ft (1 to 6 m) in		
11		405	T. 1.1.0			inoight.	
	500 / 6 b b b b b b b b b b		= Total Cover	04	Herb - All herbaceous (non-woody)	plants including	
		r: <u> </u>	20% of total cover:		herbaceous vines, regardless of size		
	size: <u>30 ft.</u>)				plants, except woody vines, less that	· <u> </u>	
1. None Observed			- <u> </u>	<u> </u>	3 ft (1 m) in height.	in approximatory	
2			·		5 h (1 h) in height.		
3			- <u> </u>	<u> </u>	Woody vine - All woody vines, rega	rdless of beight	
4			- <u> </u>		Troody vine - / in woody vines, rega	alcos of height.	
5			- <u></u>				
			= Total Cover		Hydrophytic		
	50% of total cover	r:	20% of total cover:		Vegetation		
					Present? Yes X	No	
Demode (C. L. 197							
Remarks: (if observed, lis	si morphological adaptat	ions below).					
A positive indication of hy	drophytic vegetation was	s observed (>50% of dominant s	pecies indexe	ed as OBL, FACW, or FAC).		
A positive indication of hy	drophytic vegetation was	s observed (Prevalence Index is	≤ 3.00).			

epth iches)	Matrix Color (moist)	%	Color (moist)	Redox F %	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/2	85	10YR 5/8	10	<u> </u>	 M	Silt loam	Tiomano
0 10	1011(4/2		10111 0/0	5	C	PL		
vpe: C=Co	oncentration, D=Dep	etion. RM=R	educed Matrix. M	S=Masked	Sand Grains.	² Location: P	L=Pore Lining, M=Mati	ix.
	Indicators: (Applic							lematic Hydric Soils ³ :
Histosol	(A1)		Polyva	lue Below S	, Surface (S8) (Ll	RR S, T, U)	1 cm Muck (A9	•
	pipedon (A2)				(S9) (LRR S,		2 cm Muck (A1	
_	istic (A3)				eral (F1) (LRR			c (F18) (outside MLRA 150A,
	en Sulfide (A4)			Gleyed Ma		,		dplain Soils (F19) (LRR P, S, T
	d Lavers (A5)			ed Matrix (F				ght Loamy Soils (F20)
Organic	Bodies (A6) (LRR P	, T, U)		Dark Surfa			(MLRA 153B)	
~	ucky Mineral (A7) (L l		Deplet	ed Dark Su	face (F7)		Red Parent Ma	aterial (TF2)
	resence (A8) (LRR L		Redox	Depression	is (F8)		Very Shallow D	Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F	- 10) (LRR L	J) Ú		Other (Explain	
	d Below Dark Surfac	e (A11)			=11) (MLRA 15	51)	、 .	,
-	ark Surface (A12)	()			lasses (F12) (-	³ Indicators of	hydrophytic vegetation and
	rairie Redox (A16) (I	/LRA 150A)		0	13) (LRR P, T,		,	plogy must be present, unless
		-) Chric (F17	(MLRA 151)		disturbed or p	problematic.
Sandy N	/lucky Mineral (S1) (LINK 0, 0)	Dona					
_ `		LIXIX 0, 0)				DA, 150B)		
Sandy C	Gleyed Matrix (S4)		Reduc	ed Vertic (F	18) (MLRA 15			
Sandy G Sandy F Stripped	Gleyed Matrix (S4) Redox (S5) d Matrix (S6)		Reduc Piedmo	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A)	A, 153C, 153D)	
Sandy G Sandy F Stripped	Gleyed Matrix (S4) Redox (S5)		Reduc Piedmo	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A)	A, 153C, 153D)	
Sandy G Sandy F Stripped Dark Su	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S	S, T, U)	Reduc Piedmo	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A)	A, 153C, 153D)	
Sandy C Sandy F Stripped Dark Su	Gleyed Matrix (S4) Redox (S5) I Matrix (S6) Irface (S7) (LRR P, S Layer (if observed):	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A)	A, 153C, 153D)	
Sandy C Sandy F Stripped Dark Su Strictive L	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S Layer (if observed):	S, T, U)	Reduc Piedmo Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		
Sandy C Sandy F Stripped Dark Su Strictive L	Gleyed Matrix (S4) Redox (S5) I Matrix (S6) Irface (S7) (LRR P, S Layer (if observed):	S, T, U)	Reduc Piedmo Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		XNo
Sandy C Sandy F Strippec Dark Su Strictive L Type: Depth (in	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S Layer (if observed):	S, T, U)	Reduc Piedmo Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		XNo
Sandy C Sandy F Stripped Dark Su Strictive L	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S Layer (if observed):	S, T, U)	Reduc Piedmo Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		XNo
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u> X No </u>
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S Layer (if observed):	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u>X</u> No
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u>X</u> No
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		XNo
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		XNo
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		XNo
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u> X No </u>
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u> X No </u>
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u> X No </u>
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u>X</u> No
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u> X No </u>
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u>X</u> No
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u>X</u> No
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u>X</u> No
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u> X No </u>
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u> X No </u>
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u> X No </u>
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u>X</u> No
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u>X</u> No
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u> X No </u>
Sandy C Sandy F Strippec Dark Su Dark Su Deptrictive L Type: Depth (ind	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR P, S 	S, T, U)	Reduc Piedm Anoma	ed Vertic (F ont Floodpla	18) (MLRA 15 ain Soils (F19)	(MLRA 149A) 220) (MLRA 149		<u> X No </u>

Project/Site:			Harv	ey Site			Parish:		West Felici	ana	Sampling D	ate: N	/larch 9	9, 2018	
Applicant/Owner:			Ba	ton Rouge Area	a Chambe	er		5	State:	Louisiana	Sample Po	int:	SL	36	
Investigator(s):	В.	McNab	b	and	T. Jone	es	Section, T	owns	ship, Range:	Secti	on 42, Townsł	nip 4 South, F	Range	2 West	
Landform (hillslope, te	errace, e	ic.):		Hillslop	e		Local relie	ef (cc	oncave, convex,	none):	None	Slope (%):		0-5	
Subregion (LRR or MI	LRA):			LRR P			Lat:	30	0.725031°	Long:	-91.304682°	Datum:		NAD83	
Soil Map Unit Name:					#N	I/A				NWI CI	assification:		None		
Are climatic / hydrolog	jic condi	tions on	the site	e typical for this	time of ye	ear?	(Yes / No	v) _	Yes	(if no, e	xplain in Rema	arks.)			
Are Vegetation	No	,Soil	No	or Hydrology,	No	sign	ificantly distu	urbed	d? Are "Norma	al Circumsta	nces" present	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology	No	natu	rally problen	natic?	? (lf needed, ex	kplain any ans	wers in Rema	arks.)		
										4	4				

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

Hydrophytic Vegetation Present?	Yes X				
Hydric Soil Present?	Yes		Is the Sampled Area		
Wetland Hydrology Present?	Yes	No <u>X</u>	within a Wetland?	Yes	<u>No X</u>
Remarks:			I		
This point was determined not to	be within a wetland	due to the lack of h	ydric soils and wetland hydr	rology.	
IYDROLOGY					
Wetland hydrology Indicators:				Secondary Indicator	s (minimum of two required)
Primary Indicators (minimum of	one is required; che	ck all that apply)		Surface Soil 0	Cracks (B6)
Surface Water (A1)	-	Aquatic Fauna	()		etated Concave Surface (B8)
High Water Table (A2)	-		(B15) (LRR U)	Drainage Pat	()
Saturation (A3)	-	Hydrogen Sulf	· · /	Moss Trim Lin	()
Water Marks (B1)	-	Oxidized Rhiz	ospheres on Living Roots(C	C3) Dry-Season V	Vater Table (C2)
Sediment Deposits (B2)	-	Presence of R	educed Iron (C4)	Crayfish Burr	ows (C8)
Drift Deposits (B3)	-	Recent Iron Re	eduction in Tilled Soils (C6)) Saturation Vis	sible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	-	Thin Muck Su	rface (C7)	Geomorphic F	Position (D2)
Iron Deposits (B5)	-	Other (Explain	in Remarks)	Shallow Aquit	ard (D3)
Inundation Visible on Aeria	al Imagery (B7)			FAC-Neutral	Test (D5)
Water-Stained Leaves (BS))			Sphagnum m	oss (D8) (LRR T, U)
Field Observations:					
	No		es): <u>N/A</u>		
	No		es): >20		
Saturation Present? Yes _ (includes capillary fringe)	No	C Depth (inch	es): <u>>20</u> Wetla	and Hydrology Present?	Yes NoX
Describe Recorded Data (stream	ı gauge, monitoring	well, aerial photos, p	previous inspections), if avai	ilable:	
Remarks:					

Sampling Point:

SL36

Absolute Dominant Induces Dominant Induces 1 Press Statum 600 Yes FACU 1 Press Statum 600 Yes FACU 1 Press Statum 600 Yes FACU 1 Press FACU FACU Total Number of Dominant Species 2 Optimize canoniname 600 Yes FACU 3 Descriptions canoninations species 710 Non FACU 6 Descriptions canoninations species 712 Optimize canoninations species 712 1 Optimize canoninations species 712 Optimize canoninations species 712 Optimize canoninations species 2 Statum FOR Press/Pace Idea North Species 712 Optimize Idea North Species 3 Statum FOR Press/Pace Idea North Species 712 Optimize Idea North Species 3 Statum FOR FACU FOR Optimize Idea North Species 3 Statum FOR F						
I. Price special 60 Yes FAC_C The Are DBL. FACW, or FAC: 4 (A) 3. Ligadiantities argunding 50 Yes FAC_C Total Number of Dominant Species (B) 4. Current engine 20 No FAC_C Percent of Dominant Species (B) 6. Process area diminant 20 No FAC_C Percent of Dominant Species (B) 5. Call species Areas all Stratum 0 No FAC_C Percent of Dominant Species (M) 1. More Observed 225 Total Number of Dominant Species (M) (M) (M) 2			Absolute	Dominant	Indicator	Dominance Test worksheet:
I. Price special 60 Yes FAC_C The Are DBL. FACW, or FAC: 4 (A) 3. Ligadiantities argunding 50 Yes FAC_C Total Number of Dominant Species (B) 4. Current engine 20 No FAC_C Percent of Dominant Species (B) 6. Process area diminant 20 No FAC_C Percent of Dominant Species (B) 5. Call species Areas all Stratum 0 No FAC_C Percent of Dominant Species (M) 1. More Observed 225 Total Number of Dominant Species (M) (M) (M) 2	Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominant Species
2. Our constraints 50 Yes FACU 4. Our constraints 30 Ns FAC 5. Caronia screaminan 25 Ns FAC 6. Pranus serotins 10 Ns FAC 5. Caronia screaminan 25 Total Number of Dominant Species G(s) 5. Caronia screaminan 10 Ns FAC 5. Caronia screaminan 25 Total Number of Dominant Species Total Number of Dominant Species 5. Caronia screaminan 25 Total Number of Dominant Species Total Number of Dominant Species 6			60	Yes	FAC	That Are OBL, FACW, or FAC: 4 (A)
3 Junction 50 Yes FAC 4. Ources raige 30 No FAC 5. Cataprize caroliniane 25 No FAC 6. Prunus sensitive 25 Total Number of Dominant Spocies That Are OBL, FACU, or FAC Percent of Dominant Spocies 5. Stapping Stratum (Plot size:	2. Quercus falcata		50	Yes	FACU	
4. <u>Ourous norms</u> 30. No. FAC. Species Across All Strata: 6 (B) 5. <u>Carphines cervolrinan</u> 25 No. FAC. Percent of Dominant Species 3. <u>Durus servolrinan</u> 25 No. FAC. Percent of Dominant Species 3. <u>Durus servolrinan</u> 25 Total Cover 50% of total cover 50% of total cover 3. <u>Information of total cover</u> 125 30% of total cover 50% 61% 7% (AB) 3. <u>Information of total cover</u> 125 30% of total cover 630 7% (AB) 4. <u>Information of total cover</u> 50% of total cover 20% of total cover 630 7% 630 5. <u>Senting Participa marricana</u> 25 Yes FACU 9000000000000000000000000000000000000			50	Yes		Total Number of Dominant
3. <u>Comprise carolinas accolinas</u> 25 No FAC 6. <u>Provise secolinas</u> 10 No FAC 1. <u>Alore</u> Observed 225 = Total Cover 45 Sabling Stratum (Plot size:3 h)						
6. Private servicins 10 No FACU S0% of test cover 112.5 20% of test cover 4. 1. Nore Observed 2. 2. 2. 0. 3. 0. 7. 0. 4. 0. 7. 0. 5. 0. 7. 0. 5. 0. 7. 0. 6. 0. 7. 0. 5. 0. 7. 0. 1. Callicope and meticana 2.5 10. 10. 10. 1. Callicope and meticana 2.5 10. 15. Yes FAC <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
ZZS = Total Cover That Aru OBL, FACW, or FAC: 67% (AB) Stabiling Statum (Pick size::::::::::::::::::::::::::::::::::::						Percent of Dominant Species
60% of total cover: 12.5 20% of total cover: 4 1. None Observed 7 Total % Cover ot: Nulltply by: 2.		· ·			TACO	
Statum (Pict size::::::::::::::::::::::::::::::::::::				-	45	
Total Value OD Target 1. More Observed			112.5	20% of total cover:	40	Prevalence Index Worksheet:
2		<u>30 ft.</u>)				
3.						
4.	2					
5.						FACW species x 2 =
6.	4					FAC species 210 x 3 = 630
6.	5					FACU species 85 x 4 = 340
						UPL species 0 x 5 = 0
Shrub Stratum (Plot size:				= Total Cover		Column Totals: 295 (A) 970 (B)
1. Calicarpa americana 25 Yes FACU 2.		50% of total cover:		20% of total cover:		
1. Calificarpa americana 25 Yes FACU 2.	Shrub Stratum (Plot size:	30 ft.)		-		Prevalence Index = B/A = 3.29
2.			25	Yes	FACU	
3.						Hydrophytic Vegetation Indicators:
4.	3.					
5.						
6.						
25 = Total Cover 12.5 20% of total cover: 5 1. Chasmanthium sessilitorum 30 Yes FAC 2. 30 tr.) 30 Yes FAC 3. 30 Yes FAC Definitions of Five Vegetation Strata: 7. 30 Yes FAC Definitions of Five Vegetation Strata: 7. 30 Yes FAC Saping - Woody plants, excluding woody vines, approximately 20 ft (6m) or more in height and less than 3 in. (7.6 cm) DBH. 9. 30 = Total Cover Saping - Woody plants, excluding woody vines, approximately 20 ft (6m) or more in height and less than 3 in. (7.6 cm) DBH. 9. 30 = Total Cover Shrub - Woody plants, excluding woody vines, approximately 20 ft (10 6 m) in height. 10. 30 = Total Cover Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody vines, approximately 3 to 20 tt (1 to 6 m) in height. 2. 30 15 Yes FAC 3. 15 Yes FAC 3. 15 Yes FAC 3. 15 Yes FAC 3. 15 20% of total						
50% of total cover: 12.5 20% of total cover: 5 Herb Stratum (Plot size: 30 ft.) Yes FAC 1. Chasmanthium sessifilforum 30 Yes FAC Tree - Woody plants, excluding woody vines, approximately 20 ft (6m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). 5.	0		05			
Herb Stratum (Plot size:30 ft) journame journame <th< td=""><td></td><td></td><td></td><td>-</td><td>_</td><td>1</td></th<>				-	_	1
1. Chasmanthium sessiliforum 30 Yes FAC Definitions of Five Vegetation Strata: 2.			12.5	20% of total cover:	5	
2		<u>30 ft.</u>)				
3.			30	Yes	FAC	-
4.	2					Tree - Woody plants, excluding woody vines,
5.	3					approximately 20 ft (6m) or more in height and 3 in.
6. Sapling - Woody plants, excluding woody vines, 7.	4					(7.6 cm) or larger in diameter at breast height (DBH).
7.	5			<u> </u>		
7.	6					Sapling - Woody plants, excluding woody vines,
8.						approximately 20 ft (6 m) or more in height and less
9.						than 3 in. (7.6 cm) DBH.
10.						
11.						Shrub - Woody plants, excluding woody vines,
30 = Total Cover 50% of total cover: 15 20% of total cover: 6 Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. 3.						approximately 3 to 20 ft (1 to 6 m) in height.
50% of total cover: 15 20% of total cover: 6 Woody Vine Stratum (Plot size: 30 ft.) 1. Vitis rotundifolia 15 Yes FAC 2. 15 Yes FAC 3. 15 Yes FAC 4. 15 Total Cover 3 ft (1 m) in height. 5. 15 Total Cover 3 15 Total Cover 3 Yes 50% of total cover: 7.5 20% of total cover: 3 6 15 Yes X No	· · · -		30	= Total Cover		
Woody Vine Stratum (Plot size:30 ft.)) 1. Vestige Stratum (Plot size:30 ft.)) No		50% of total anyor:		-	6	Herb - All herbaceous (non-woody) plants, including
1. Vitis rotundifolia 15 Yes FAC 2. 15 Yes FAC 3. 15 Yes FAC 4. 15 Image: Second S	Maadu Vina Chatana (Diataina)		15			
1. 1.0 1.10 1.10 2.		<u> </u>	45	N	540	
3.			15	Yes	FAC	
4						
4.	3	· .				Manada Alleria de Santa a constituir a finitada
15 = Total Cover Hydrophytic 50% of total cover: 7.5 20% of total cover: 3 Present? Yes X No	4					woody vine - All woody vines, regardless of height.
50% of total cover: 7.5 20% of total cover: 3 Vegetation Present? Yes X No	5					
Present? Yes X No Remarks: (if observed, list morphological adaptations below).			15	= Total Cover		Hydrophytic
Remarks: (if observed, list morphological adaptations below).		50% of total cover:	7.5	20% of total cover:	3	Vegetation
Remarks: (if observed, list morphological adaptations below).				-		Present? Yes X No
	Remarks: (if observed list mo	rnhological adaptatio	ns helow)			1
A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC).						
	A positive indication of hydroph	nytic vegetation was o	observed (>50% of dominant s	pecies indexe	ed as OBL, FACW, or FAC).

0-4 10YR 4/4 100 None)epth	Matrix			Redox	Features			
4.16 10YR 4/6 100 None	nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
Ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains, ² Location: PL=Pore Lining, M=Matrix, Ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains, ² Location: PL=Pore Lining, M=Matrix, Ypric Solis Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solis ² : Histosol (A1) Polyvalue Below Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR R) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F2) Piedmont Floodplain Solis (F19) (LRR P, S, 5 cm Muck (Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) (MLRA 153B) 5 cm Muck (A9) (LRR P, T, U) Redox Depressions (F8) Very Shallow Dark Surface (T11) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR 0, S) Other (Explain in Remarks) Depleted Bow Dark Surface (A11) Umbric Surface (F13) (LRR P, T, U) other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR O, S) Depleted Ochric (F11) (MLRA 151) other (Explain in Remarks) Sandy Gleyed Matrix (S6) Piedmont Floodplain Solis (F12) (MLRA 149A, 153C, 153D) Sandy Gleyed Matrix (S6) S	0-4	10YR 4/4	100	None				Silt loam	
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR Q) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR Q) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR Q) Reduced Vertic (F18) (outside MLRA 150A, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, * Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Mard (F10) (LRR U) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mard (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Dark Surface (S7) (LRR P,	4-16	10YR 4/6	100	None	_	_	_	Silt loam	
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Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A, 150A, 153D) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Type:		()							
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Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:	Black H	listic (A3)		Loamy	Mucky Mi	neral (F1) (LRR	O)	Reduced Vertic	c (F18) (outside MLRA 150A,
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5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) stribed watrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Peresent Hydric Soil Present? Yes No X emarks: Muck (inches): No X			P. T. U)						
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Type:		· , ·				. ,			torial (TE2)
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic." Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X eestrictive Layer (if observed): No X Type: No X marks: Depth (inches):				· · ·					
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X									, ,
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A) metland hydrology must be present, unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) metland hydrology must be present, unless disturbed or problematic. Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) metland hydrology must be present, unless disturbed or problematic. Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Delta Chric (F17) (MLRA 149A, 153C, 153D) Bestrictive Layer (if observed): Type: Hydric Soil Present? Yes No X emarks: Methan M	1 cm Mı	uck (A9) (LRR P, T)		Marl (F	10) (LRR	U)		Other (Explain	in Remarks)
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Depth (inches): No X	Deplete	ed Below Dark Surface	ce (A11)	Deplete	ed Ochric	(F11) (MLRA 15	51)		
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: No X Depth (inches): No X	Thick D	ark Surface (A12)		Iron-Ma	anganese	Masses (F12) (LRR O, P, T)	³ Indicators of	hydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No X emarks: Emarks:		· · ·	MI RA 1504		•	. , .			
Sandy Mideky Milletal (ST) (LRK 0, S)							0)	disturbed or p	problematic.
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) estrictive Layer (if observed): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) emarks: Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D)		- , ,	(LRR 0, 5)						
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Sandy G	Gleyed Matrix (S4)		Reduc	ed Vertic (I	F18) (MLRA 15	DA, 150B)		
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X emarks:	Sandy F	Redox (S5)		Piedmo	ont Floodp	lain Soils (F19)	(MLRA 149A)		
estrictive Layer (if observed): Type: Depth (inches): NoX emarks:	Stripped	d Matrix (S6)		Anoma	lous Brigh	it Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)	
estrictive Layer (if observed): Type: Depth (inches): NoX emarks:	Dark Su	urface (S7) (I RR P	S T U)		-		, .		
Type:									
		Layer (if observed)	:						
o positive indication of hydric soils was observed.	Type:						Hydric	: Soil Present? Yes	NoX
	Type: Depth (in						Hydric	: Soil Present? Yes	NoX
	Type: Depth (in emarks:	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (ind	inches):					Hydric	: Soil Present? Yes	No X
	Type: Depth (in Remarks:	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (in temarks:	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (ind	inches):					Hydric	Soil Present? Yes	No <u>X</u>
	Type: Depth (ind	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (ind	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (in Remarks:	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (in emarks:	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (ind	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (in emarks:	inches):					Hydric	: Soil Present? Yes	NoX
	Type: Depth (ind	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (ind	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (ind	inches):					Hydric	: Soil Present? Yes	NoX
	Type: Depth (ind	inches):					Hydric	: Soil Present? Yes	NoX
	Type: Depth (ind	inches):					Hydric	: Soil Present? Yes	NoX
	Type: Depth (in Remarks:	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (in temarks:	inches):					Hydric	: Soil Present? Yes	NoX
	Type: Depth (in Remarks:	inches):					Hydric	Soil Present? Yes	NoX
	Type: Depth (in temarks:	inches):					Hydric	Soil Present? Yes	NoX
	Type: Depth (in temarks:	inches):					Hydric	Soil Present? Yes	NoX
	Type: Depth (in temarks:	inches):					Hydric	Soil Present? Yes	NoX
	Type: Depth (in temarks:	inches):					Hydric	: Soil Present? Yes	No X
	Type: Depth (in temarks:	inches):					Hydric	: Soil Present? Yes	NoX
	Type: Depth (in temarks:	inches):					Hydric	: Soil Present? Yes	No <u>X</u>
	Type: Depth (in Remarks:	inches):					Hydric	Soil Present? Yes	NoX
	Type: Depth (in Remarks:	inches):					Hydric	: Soil Present? Yes	NoX
	Type: Depth (ind	inches):					Hydric	Soil Present? Yes	NoX

Project/Site:			Har	/ey Site			Parish:		West Felic	iana	Sampling D	ate: I	March	9, 2018	
Applicant/Owner:			Ba	aton Rouge Area	Chambe	r		Sta	ate:	Louisiana	Sample Po	int:	SI	_37	
Investigator(s):	В	. McNat	b	and	T. Jone	s	Section, T	ownsh	ip, Range:	Sect	tion 41, Townsl	hip 4 South,	Range	2 West	
Landform (hillslope, te	errace, e	etc.):		Plain			Local relie	ef (cono	cave, convex,	none):	None	Slope (%):		0-5	
Subregion (LRR or M	LRA):			LRR P			Lat:	30.7	729656°	Long:	-91.302423°	Datum		NAD83	
Soil Map Unit Name:					#N	/A				NWIC	lassification:		None	e	
Are climatic / hydrolog	jic cond	itions or	n the sit	e typical for this t	ime of ye	ear?	(Yes / No)	Yes	(if no, e	explain in Rema	arks.)			
Are Vegetation	No	,Soil	No	or Hydrology	No	signifi	cantly distu	irbed?	Are "Norm	al Circumsta	ances" present	? Yes	Х	No	
Are Vegetation	No	,Soil	No	or Hydrology	No	natura	lly problem	natic?		(If needed, e	explain any ans	wers in Rem	arks.)		
		NGS	Atta	ch cito man	ebowi	na ear	nnlina r	oint	locations	tranco	cte import	ant foatu	roe	oto	

	Yes X							
lydric Soil Present?	Yes			Is the Samp				
Vetland Hydrology Present?	No	No X within a Wetland?			Yes	No	X	
Remarks:								
This point was determined not to	be within a wet	land due to th	e lack of hydric	c soils and wetla	and hydrology.			
YDROLOGY								
Wetland hydrology Indicators						Secondary Indicate		two required)
Primary Indicators (minimum of	one is required;	check all that	apply)				Cracks (B6)	
Surface Water (A1)		·	uatic Fauna (B1	,			getated Concave	e Surface (B8)
High Water Table (A2)		Mar	rl Deposits (B1	5) (LRR U)		Drainage Pa	itterns (B10)	
Saturation (A3)		Нус	drogen Sulfide	Odor (C1)		Moss Trim L	ines (B16)	
Water Marks (B1)		Oxi	dized Rhizospł	heres on Living	Roots(C3)	Dry-Season	Water Table (C	2)
Sediment Deposits (B2)		Pre	sence of Redu	ced Iron (C4)		Crayfish Bu	rows (C8)	
Drift Deposits (B3)		Rec	ent Iron Reduc	ction in Tilled So	oils (C6)	Saturation V	isible on Aerial I	magery (C9)
Algal Mat or Crust (B4)		Thii	n Muck Surface	e (C7)		Geomorphic	Position (D2)	
Iron Deposits (B5)		Oth	ier (Explain in F	Remarks)		Shallow Aqu	iitard (D3)	
Inundation Visible on Aeri	al Imagery (B7)					FAC-Neutra	l Test (D5)	
Water-Stained Leaves (B	Э)					Sphagnum i	moss (D8) (LRR	T, U)
ield Observations:								
Surface Water Present? Yes	No	<u>x</u> [Depth (inches):	N/A				
Vater Table Present? Yes _	No	X	Depth (inches):	>20				
Saturation Present? Yes _	No	X	Depth (inches):	>20	Wetland Hydr	ology Present?	Yes	<u>No X</u>
includes capillary fringe)								

No positive indication of wetland hydrology was observed.

EGETATION	N (Five Stra	ita) - Use scientif	ic name:	s of plants.		Sampling Point:	SL37	
			Absolute	Dominant	Indicator	Dominance Test worksheet:		
ree Stratum	(Plot size:	30 ft)	% cover		Status	Number of Dominant Species		
1. Pinus taeda	(60	Yes	FAC	That Are OBL, FACW, or FAC:	4	(A)
2. Quercus falc	ata		40	Yes	FACU			()
3. Carpinus car			20	No	FAC	Total Number of Dominant		
4. Prunus serot			15	No	FACU	Species Across All Strata:	5	(B)
								(=)
				·		Percent of Dominant Species		
	· · · · · · · · · · · · · · · · · · ·		135	= Total Cover		That Are OBL, FACW, or FAC:	80%	(A/B)
		50% of total cover:		20% of total cover:	27			()
anling Stratum	(Plot size:					Prevalence Index Worksheet:		
1. Liquidambar	•	<u> </u>	20	Yes	FAC	Total % Cover of:	Multiply by:	
	•						x 1 = 0	
				·		· · · · · · · · · · · · · · · · · · ·	x 2 = 0	
				- <u> </u>		· · · · · · · · · · · · · · · · · · ·	x3 = 465	
				- <u> </u>		· · · · · · · · · · · · · · · · · · ·	x4 = 220	
				·		· · · · · · · · · · · · · · · · · · ·	x5= 0	
			20	= Total Cover			(A) 685	(B
		50% of total cover:		-	4		(A) <u>665</u>	(C
hruh Ctrotum	(Dist size)		10	20% of total cover:	4	Dravalance Index = D/A =	2.06	
Shrub Stratum 1. <u>None Observ</u>	(Plot size: ved	<u>30 ft.</u>)				Prevalence Index = B/A =	3.26	
2				<u>.</u>		Hydrophytic Vegetation Indicators:	1	
				<u>.</u>		1 - Rapid Test for Hydrophyt	tic Vegetation	
4				<u> </u>		X 2 - Dominance Test is >50%)	
				<u> </u>		3 - Prevalence Index is ≤ 3.0	1	
						Problematic Hydrophytic Veg	getation ¹ (Explain)	
				= Total Cover				
		50% of total cover:		20% of total cover:		¹ Indicators of hydric soil and wetland	hydrology must	
lerb Stratum	(Plot size:	30 ft.)				be present, unless disturbed or proble	ematic.	
1. Smilax rotun	difolia		25	Yes	FAC	Definitions of Five Vegetation Strat	ta:	
2. Vitis rotundife	olia		20	Yes	FAC	Tree - Woody plants, excluding wood	dy vines,	
3. Lygodium jap	ponicum		10	No	FAC	approximately 20 ft (6m) or more in he	eight and 3 in.	
4.						(7.6 cm) or larger in diameter at breas	t height (DBH).	
						Sapling - Woody plants, excluding wo	oody vines,	
_						approximately 20 ft (6 m) or more in h	eight and less	
8.						than 3 in. (7.6 cm) DBH.		
9.								
0.						Shrub - Woody plants, excluding woo	ody vines,	
1						approximately 3 to 20 ft (1 to 6 m) in h	neight.	
			55	= Total Cover				
		50% of total cover:		20% of total cover:	11	Herb - All herbaceous (non-woody) pl	lants, including	
Voody Vine Stra	atum (Plot siz					herbaceous vines, regardless of size,	and woody	
1. None Observ		,				plants, except woody vines, less than	approximately	
-				·		3 ft (1 m) in height.		
						Woody vine - All woody vines, regard	lless of height.	
							č	
				= Total Cover		Hydrophytic		
		50% of total cover:				Vegetation		
		0070 01 lotal 00701.						
			·			Present? Yes X N	0	

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC).

rofile Descr	Matrix				eatures			
epth nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 4/3	100	None				Silt loam	i tomanto
7-16	10YR 4/6	100	None				Silt loam	
1 10	1011(4/0	100						
						·	· · · ·	
							·	
							·	
							·	
						21	Description M. Marti	
			Reduced Matrix, Matrix			Location: PL	=Pore Lining, M=Matri	x. ematic Hydric Soils ³ :
-	• • • •		-		Surface (S8) (LF			•
Histosol	. ,						1 cm Muck (A9	
	pipedon (A2)				e (S9) (LRR S, 1		2 cm Muck (A1	
Black Hi				-	neral (F1) (LRR	0)		(F18) (outside MLRA 150A,
	n Sulfide (A4)			Gleyed Ma				plain Soils (F19) (LRR P, S,
	Layers (A5)			ed Matrix (I				ht Loamy Soils (F20)
	Bodies (A6) (LRR F			Dark Surfa	. ,		(MLRA 153B)	
	icky Mineral (A7) (L				ırface (F7)		Red Parent Ma	
	esence (A8) (LRR I	J)		Depressio				ark Surface (TF12)
	ck (A9) (LRR P, T)		·	10) (LRR			Other (Explain i	n Remarks)
Depleted	Below Dark Surfac	e (A11)	Deplete	ed Ochric (F11) (MLRA 15	1)	2	
	ark Surface (A12)			anganese I	Masses (F12) (I	_RR O, P, T)		nydrophytic vegetation and
Coast Pr	airie Redox (A16) (MLRA 150A	A)Umbric	Surface (I	F13) (LRR P, T,	U)	disturbed or p	logy must be present, unless
Sandy M	lucky Mineral (S1) (LRR O, S)	Delta C	chric (F17	') (MLRA 151)			obiematio.
Sandy G	leyed Matrix (S4)		Reduce	ed Vertic (F	⁻ 18) (MLRA 150)A, 150B)		
Sandy R	edox (S5)		Piedmo	ont Floodpl	ain Soils (F19) ((MLRA 149A)		
	Matrix (CC)		Anoma	lous Briaht	t Loamy Soils (F	20) (MLRA 149	A. 153C. 153D)	
Stripped	()		Anoma	ieue Brigin	Learny Cone (1	- / (,,,	
	rface (S7) (LRR P,	S, T, U)	Anoma	iewe Erigin			,,,	
Dark Sur	()							
Dark Sur	rface (S7) (LRR P,							
Dark Sur estrictive L Type:	rface (S7) (LRR P, s							No X
Dark Sur	rface (S7) (LRR P, s						Soil Present? Yes	No X
Dark Sur estrictive L Type:	rface (S7) (LRR P, s							No X
Dark Sur estrictive L Type: Depth (inc	rface (S7) (LRR P, s							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, s							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							NoX
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, ayer (if observed) ches):							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, s							No <u>X</u>
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, s							No X
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, s							No X
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, s							No X
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, s							NoX
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, s							NoX
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, s							NoX
Dark Sur estrictive L Type: Depth (inc emarks:	rface (S7) (LRR P, s							NoX