Exhibit FF. Noel Site Wetlands Delineation Report







DRAFT

May 29, 2018

Noel Site Wetlands Delineation Report

VIA ELECTRONIC MAIL

Mr. Russell Richardson Baton Rouge Area Chamber 564 Laurel Street Baton Rouge, LA 70801 russell@brac.org

Re: Wetland Data Report

Noel Site

Ascension Parish, Louisiana Providence Project No. 1204-005

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 Noel Site (hereinafter referred to as Site) in Ascension Parish, Louisiana.

BACKGROUND

The purpose of this report is to present field data, habitat descriptions, and other pertinent information on the three diagnostic characteristics of wetlands. This report was prepared in accordance with the *Corps of Engineers Wetlands Delineation Manual* (U.S. Army Corps of Engineers, Waterways Experiment Station 1987) and subsequent guidance provided in the Regional Supplement to the *Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region* (U.S. Army Corps of Engineers, Wetland Regulatory Assistance Program 2010). Providence biologists visited the Site on May 10 and 11, 2018, and collected data on the three diagnostic wetland parameters – soils, vegetation, and hydrology. However, due to impassable waterbodies and landowner restrictions, Providence was unable to access 6.66 acres of the project area. Based on a desktop review of the U.S. Fish and Wildlife's National Wetlands Inventory, the Natural Resources Conservation Service (NRCS) Web Soil Survey (2018), and observed vegetation, it appears that the area is contiguous with adjacent sampled habitats and may be potential palustrine forested (PFO) wetlands.

Prior to field reconnaissance, Providence reviewed the NRCS Web Soil Survey (2018), the *Soil Survey of Ascension 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.

Providence Engineering and Environmental Group LLC

PROJECT LOCATION & DESCRIPTION

The approximate 944-acre Site is centered at Latitude 30.17324°; Longitude -91.038124° in Sections 40, 41, 42 and 43, Township 3 South, Range 2 West of Ascension Parish. Access to the Site is via Louisiana Highway 405. The Site is characterized by active agriculture, levees, sand pits, Mississippi River batture, potential PFO, palustrine scrub/shrub (PSS), 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 eight 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 Ascension Parish (NRCS Survey Area Data, Version 11, May 14, 2018).

Table 1: NRCS Web Soil Survey Data

Map Unit Name	Soil Series/ Component	Component Percentage	Hydric Status			
Cm: Commerce silt loam, 0 to 1 percent slopes						
	Commerce	65-88	No			
	Bruin	4-15	No			
	Tensas	3-10	-			
	Sharkey	3-5	Yes			
	Newellton	2-5	-			
Co: Commerce silty clay loam						
	Commerce	90	No			
	Sharkey	10	Yes			
Cs: Convent silt loam, 0 to 1 percen	t slopes					
	Convent	80-100	No			
	Commerce	5-10	No			
	Sharkey	5-10	Yes			
CV: Convent silt loam, 0 to 1 percen	t slopes, frequently flooded					
	Convent-Frequently Flooded	50-100	Yes			
	Commerce	10-25	No			
	Sharkey	5-15	Yes			
Lp: Levees-Borrow pits complex, 0 to 25 percent slopes						
	Arents	60	No			
	Aquents	40	Yes			
Sc: Sharkey clay, 0 to 1 percent slopes, rarely flooded, south						
	Sharkey	80-95	Yes			

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Map Unit Name	Soil Series/ Component	Component Percentage	Hydric Status		
	Tunica	1-6	No		
	Dowling	2-10	Yes		
	Commerce	2-4	No		
Tu: Thibaut clay, 0 to 1 percent slopes					
	Thibaut	80-90	No		
	Schriever	7-15	Yes		
	Cancienne	3-5	No		
Va: Vacherie silt loam, 0 to 1 percent slopes					
	Vacherie	85-100	No		
	Schriever	2-7	Yes		
	Cancienne	3-10	No		

Providence collected soil samples between the surface and approximately 16 inches. The depth of each sample was sufficient to determine changes in upper horizons and to observe field indicators of hydric soils. Based on field observations, the wetland criterion for hydric soils was met at 15 of the 19 sample locations established by Providence to characterize the Site.

VEGETATION¹

Indicator statuses for dominant vegetation on the Site consist of facultative upland (FACU), facultative (FAC), facultative wetland (FACW), and obligate (OBL) species. 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 14 of the 19 sample locations established by Providence to characterize the Site.

HYDROLOGY

The Site is in the Lower Mississippi-Baton Rouge and the West Central Louisiana Coastal watersheds; within the United States Geological Survey (USGS) Hydrologic Unit Codes (HUC) 08070100 and 08090302. Hydrology on the Site is influenced by rainfall, sheetflow, and flooding from the Mississippi River. Primary and Secondary indicators of hydrology observed at the Site include: surface water, water marks, drainage patterns, water-stained leaves, oxidized rhizospheres on living root channels, surface soil cracks, crayfish burrows, and positive FAC-neutral tests. The wetland criterion for hydrology was met at 10 of the 19 sample locations established by Providence biologists to characterize the Site.

CONCLUSIONS

Positive evidence of all three diagnostic characteristics for wetlands was found at 10 of the 19 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

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

Providence Engineering and Environmental Group LLC

Mr. Russell Richardson May 29, 2018 Page 4 of 4

jurisdictional wetlands. It appears that approximately 40.46 acres of potential jurisdictional PSS wetlands, 1.84 acre of potential jurisdictional PEM wetlands, 55.35 acres of potential jurisdictional PFO wetlands, and 10.76 acres of potential Other Waters of the U.S. may be present on the Site. A previous jurisdictional determination (JD) was issued on September 12, 2007 by the U.S. Army Corps of Engineers (USACE) (**Attachment A**). The JD identified approximately 88 acres of jurisdictional Section 10/404 wetlands within the Mississippi River batture. Based on field observations, it is likely that this area will continue to fall under the jurisdiction of the USACE.

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. On February 28, 2007, a wetland data report and request for jurisdictional determination was submitted to the USACE for the Mississippi River batture within the project area for a proposed sand mining project.

3. If wetlands are present, has a section 404 Permit Application been received from USACE?

a. On September 12, 2007, a jurisdictional determination was issued under permit number MVN-2007-968-SU for the Mississippi River batture within the project area.

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

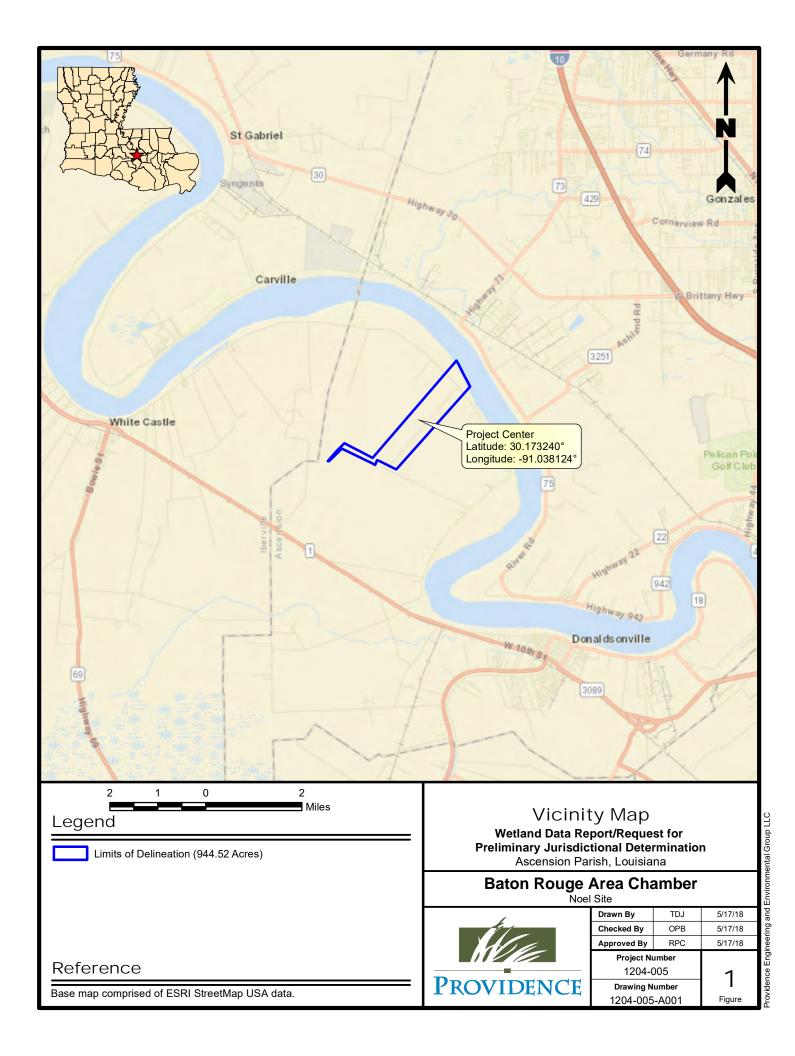
a. Wetland impacts due to the previous sand mining project were mitigated. Approximately 40 acres of wetlands were created on the Site.

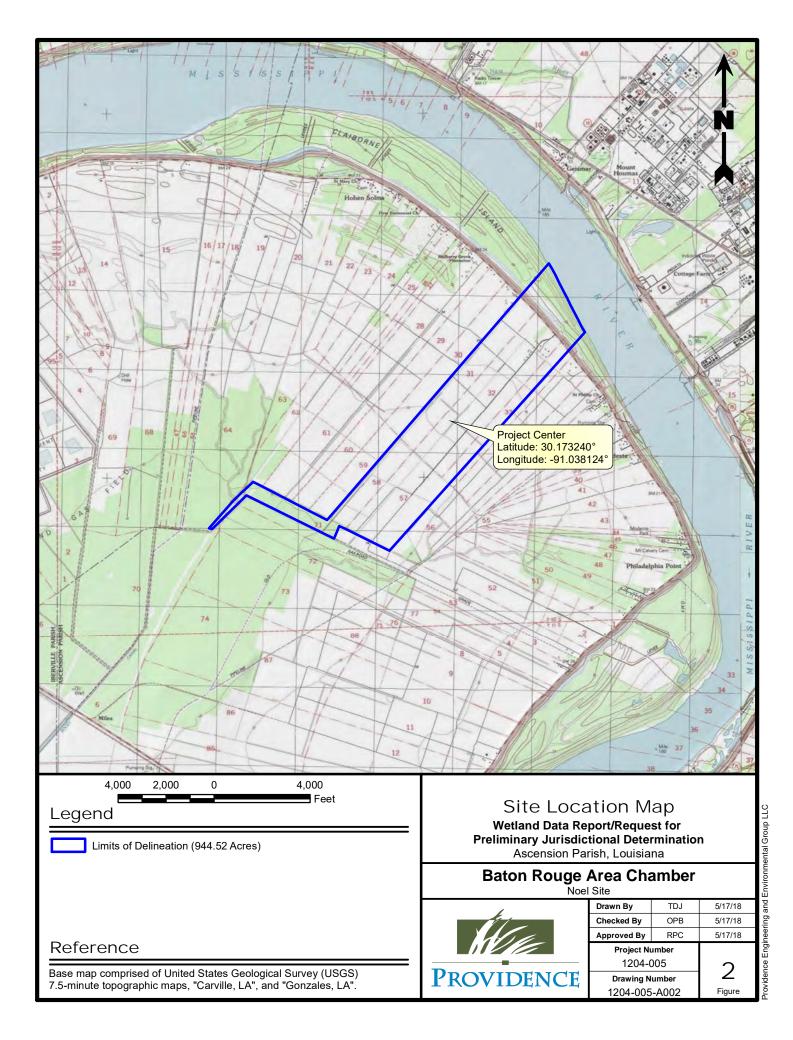
If you have any questions, please contact me at (225) 766-7400 or timkimmel@providenceeng.com.

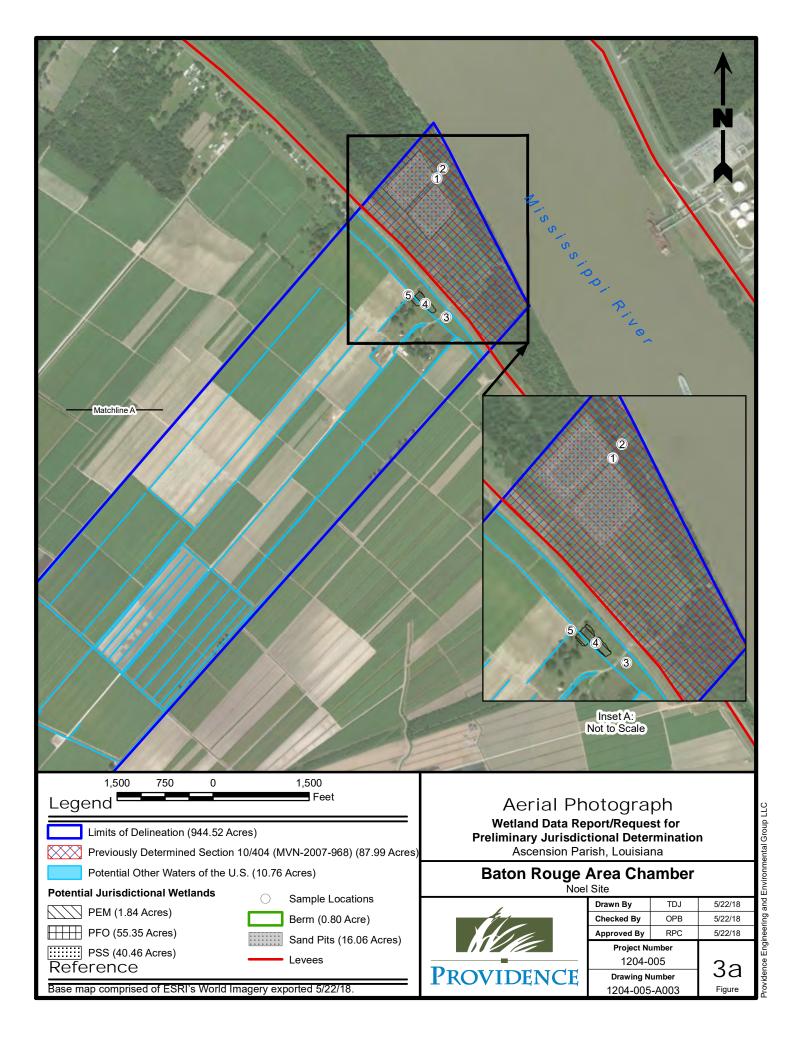
Sincerely.

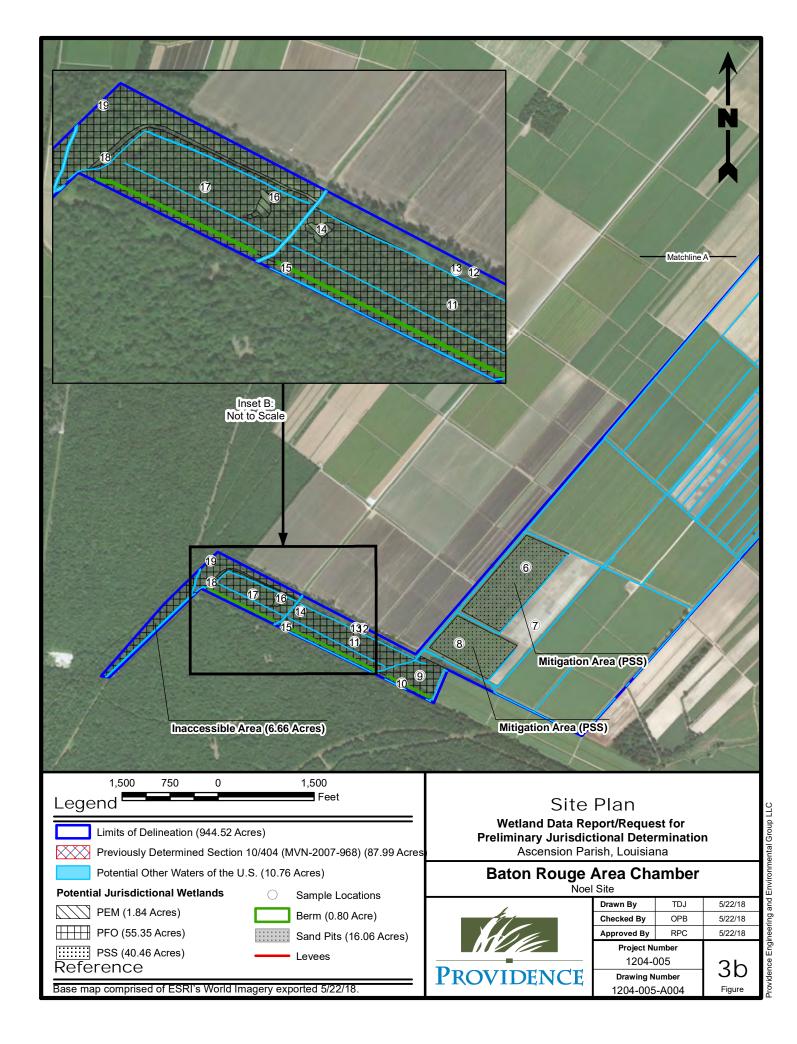
Tim Kimmel
Environmental Scientist
Providence Engineering and Environmental Group LLC
1201 Main Street
Baton Rouge, Louisiana 70802

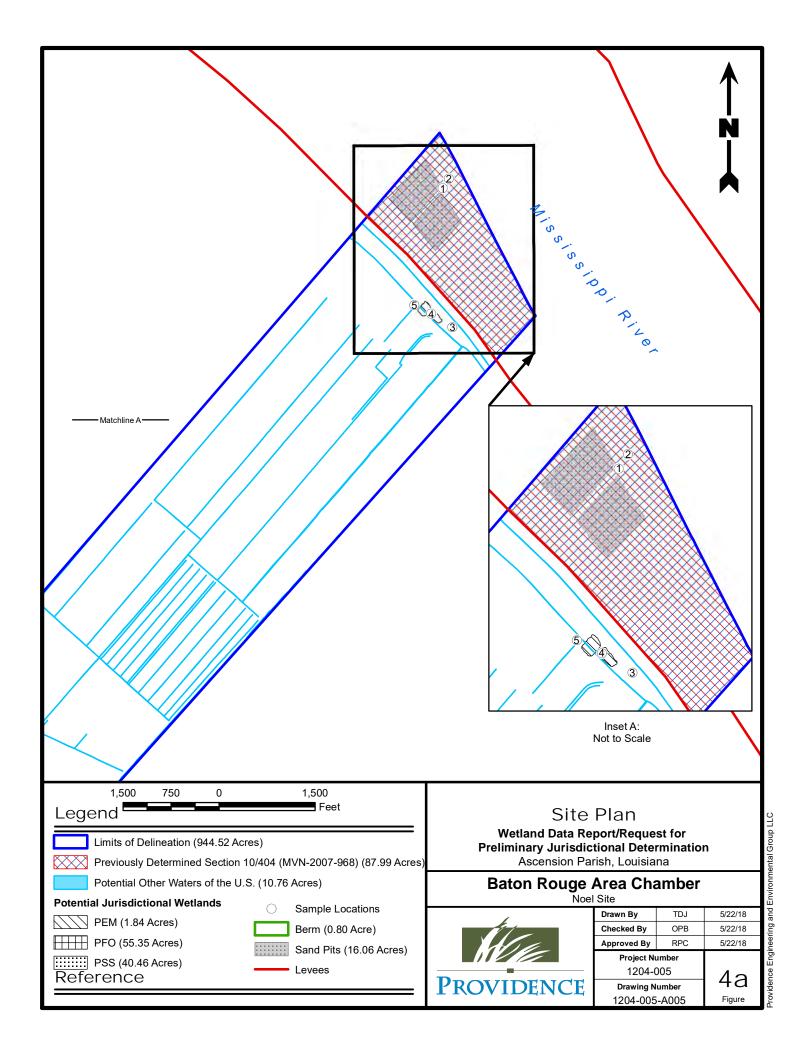
FIGURES

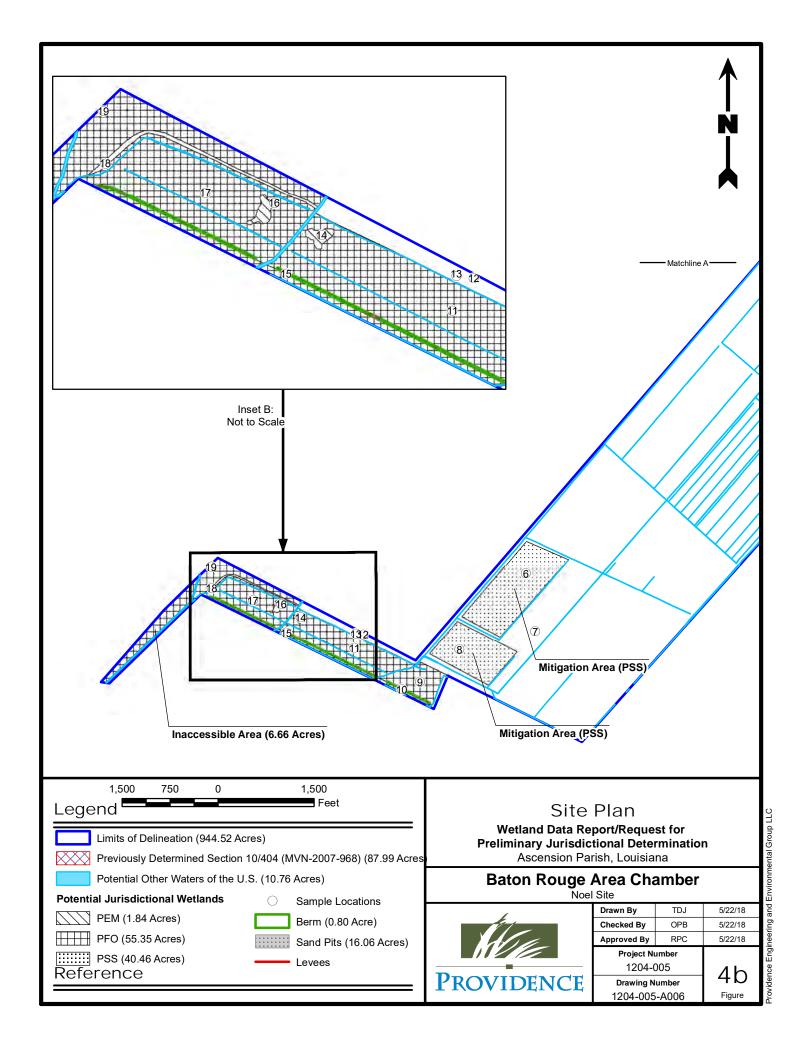












Soils data obtained from Natural Resources

Conservation Service (NRCS) data-server.

PROVIDENCE

5

Figure

Drawing Number

1204-005-A007

EXHIBIT 1 COPIES OF SITE PHOTOGRAPHS

Site Name: Noel Site

Site Location: Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #1A

Direction:

N/A

Comments:

View of soil profile at Sample Location 1.



Photograph #1B

Direction:

Southwest

Comments:

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



	Baton Rouge Area Chamber
Site Name:	Noel Site
Site Location:	Ascension Parish, Louisiana
Date:	May 10-11, 2018

Photograph #2A

Direction:

N/A

Comments:

View of soil profile at Sample Location 2.

No soil sample collected. Soils assumed hydric due to extent/duration of inundation.

Photograph #2B

Direction:

Northeast

Comments:

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



Site Name: Noel Site

Site Location: | Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #3A

Direction:

N/A

Comments:

View of soil profile at Sample Location 3.



Photograph #3B

Direction:

Southeast

Comments:

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



Site Name: Noel Site Site Location: Ascension Parish, Louisiana Date: May 10-11, 2018

Photograph #4A

Direction:

N/A

Comments:

View of soil profile at Sample Location 4.



Photograph #4B

Direction:

Southeast

Comments:

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



Site Name: Noel Site

Site Location: Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #5A

Direction:

N/A

Comments:

View of soil profile at Sample Location 5.



Photograph #5B

Direction:

Southwest

Comments:

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



Site Name: Noel Site

Site Location: Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #6A

Direction:

N/A

Comments:

View of soil profile at Sample Location 6.



Photograph #6B

Direction:

Northeast

Comments:

View of habitat and typical landscape features at Sample Location 6.



Site Name: Noel Site Site Location: Ascension Parish, Louisiana Date: May 10-11, 2018

Photograph #7A

Direction:

N/A

Comments:

View of soil profile at Sample Location 7.



Photograph #7B

Direction:

Northeast

Comments:

View of habitat and typical landscape features at Sample Location 7.



Site Name: Noel Site

Site Location: Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #8A

Direction:

N/A

Comments:

View of soil profile at Sample Location 8.



Photograph #8B

Direction:

Northeast

Comments:

View of habitat and typical landscape features at Sample Location 8.



Site Name: Noel Site Site Location: Ascension Parish, Louisiana Date: May 10-11, 2018

Photograph #9A

Direction:

N/A

Comments:

View of soil profile at Sample Location 9.



Photograph #9B

Direction:

Southwest

Comments:

View of habitat and typical landscape features at Sample Location 9.



Site Name: Noel Site

Site Location: Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #10A

Direction:

N/A

Comments:

View of soil profile at Sample Location 10.



Photograph #10B

Direction:

Southeast

Comments:

View of habitat and typical landscape features at Sample Location 10.



Site Name: Noel Site

Site Location: Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #11A

Direction:

N/A

Comments:

View of soil profile at Sample Location 11.



Photograph #11B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 11.



Site Name: Noel Site

Site Location: | Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #12A

Direction:

N/A

Comments:

View of soil profile at Sample Location 12.



Photograph #12B

Direction:

Southwest

Comments:

View of habitat and typical landscape features at Sample Location 12.



Site Name: Noel Site

Site Location: | Ascension Parish, Louisiana

Date: May 10-11, 2018

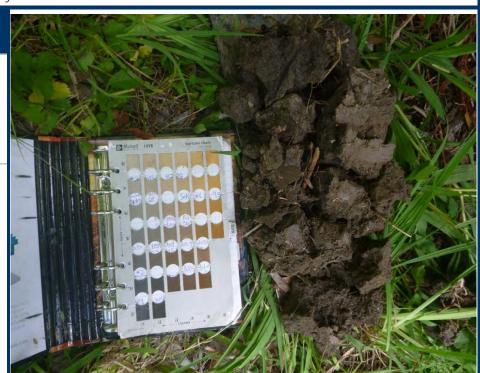
Photograph #13A

Direction:

N/A

Comments:

View of soil profile at Sample Location 13.



Photograph #13B

Direction:

Northwest

Comments:

View of habitat and typical landscape features at Sample Location 13.



	Baton Rouge Area Chamber
Site Name:	Noel Site
Site Location:	Ascension Parish, Louisiana
Date:	May 10-11, 2018

Photograph #14A

Direction:

N/A

Comments:

View of soil profile at Sample Location 14.



Photograph #14B

Direction:

Northeast

Comments:

View of habitat and typical landscape features at Sample Location 14.



Site Name: Noel Site

Site Location: Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #15A

Direction:

N/A

Comments:

View of soil profile at Sample Location 15.



Photograph #15B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 15.



Site Name: Noel Site

Site Location: Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #16A

Direction:

N/A

Comments:

View of soil profile at Sample Location 16.



Photograph #16B

Direction:

North

Comments:

View of habitat and typical landscape features at Sample Location 16.



Site Name: Noel Site

Site Location: Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #17A

Direction:

N/A

Comments:

View of soil profile at Sample Location 17.



Photograph #17B

Direction:

South

Comments:

View of habitat and typical landscape features at Sample Location 17.



Site Name: Noel Site

Site Location: Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #18A

Direction:

N/A

Comments:

View of soil profile at Sample Location 18.



Photograph #18B

Direction:

South

Comments:

View of habitat and typical landscape features at Sample Location 18.



Site Name: Noel Site

Site Location: Ascension Parish, Louisiana

Date: May 10-11, 2018

Photograph #19A

Direction:

N/A

Comments:

View of soil profile at Sample Location 19.



Photograph #19B

Direction:

West

Comments:

View of habitat and typical landscape features at Sample Location 19.



Site Name: Noel Site Site Location: Ascension Parish, Louisiana Date: May 10-11, 2018

Photograph #20A

Direction:

Northeast

Comments:

View of Mississippi River from West bank levee at high water.



Photograph #20B

Direction:

Northwest

Comments:

View of Mississippi River from West bank levee at high water.



EXHIBIT 2

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

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 10, 2018
Applicant/Owner:	Baton Rouge Area Chamber	Sta	te: Louisia	na Sample Point:	SL1
Investigator(s): O. Ba	rry and B. McNabb	Section, Townshi	Section, Township, Range:		
Landform (hillslope, terrace, etc.):	Levee	Local relief (conc	ave, convex, none):	Convex Slope	(%): x
Subregion (LRR or MLRA):	LRR 0	Lat:30.1	188888° Long:	-91.024995° Da	atum: NAD 83
Soil Map Unit Name:	Convent silt loam, 0 to 1 percent slo	opes, frequently flood	led NWI	l Classification:	PFO1A
Are climatic / hydrologic conditions	s on the site typical for this time of year?			o, explain in Remarks.)	
Are Vegetation No ,Soi				stances" present? Yes	
Are Vegetation No,Soi	l <u>No</u> ,or Hydrology <u>No</u> nat	turally problematic?	(If needed	d, explain any answers in	Remarks.)
SUMMARY OF FINDING	S - Attach site map showing	sampling poir	nt locations, tra	nsects, importan	features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No X Yes No X Yes No X	Is the Samp		Yes No	oX
Remarks: This point was determined no	ot to be within a wetland due to the lack o	of all three wetland cr	iteria.		
HYDROLOGY					
Wetland hydrology Indicato	ors:		Seco	ondary Indicators (minim	ım of two required)
Primary Indicators (minimum	of one is required; check all that apply)			Surface Soil Cracks (B	6)
Surface Water (A1)	Aquatic Fau	ına (B13)		Sparsely Vegetated Co	oncave Surface (B8)
High Water Table (A2)	Marl Deposi	its (B15) (LRR U)		Drainage Patterns (B1	0)
Saturation (A3)	Hydrogen S	sulfide Odor (C1)		Moss Trim Lines (B16)	
Water Marks (B1)	Oxidized Rh	nizospheres on Living	Roots(C3)	Dry-Season Water Tal	ole (C2)
Sediment Deposits (B2	.) Presence of	f Reduced Iron (C4)		Crayfish Burrows (C8)	
Drift Deposits (B3)	Recent Iron	Reduction in Tilled S	oils (C6)	Saturation Visible on A	erial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck S	Surface (C7)		Geomorphic Position (D2)
Iron Deposits (B5)	Other (Expla	ain in Remarks)		Shallow Aquitard (D3)	
Inundation Visible on A	erial Imagery (B7)			FAC-Neutral Test (D5)	
Water-Stained Leaves	(B9)			Sphagnum moss (D8)	(LRR T, U)
Field Observations:					
Surface Water Present? Yes	No X Depth (inc	ches): N/A			
Water Table Present? Yes	No X Depth (inc	ches): >20			
Saturation Present? Yes	No X Depth (inc	ches): >20	Wetland Hydrolog	y Present? Yes	NoX
(includes capillary fringe)					
Describe Recorded Data (stre	eam gauge, monitoring well, aerial photo	os, previous inspectio	ns), if available:		
Remarks:					
No positive indication of wetla	ind 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	30 It.)	70 COVE	opecies:	Glatus	·	A)
_			·		That Ale OBE, I AOW, OI I AO.	٦)
			·		Total Number of Dominant	
3			·			В)
4					Opecies Across Air Otrata.	رد
5			·		Percent of Dominant Species	
6			= Total Cover		•	A/B)
	50% of total cover:		20% of total cover:		That Ale OBE, I ACW, OI I AC.	ν <i>υ)</i>
Sanling Stratum (Plot size:		-	20% Of total cover.		Prevalence Index Worksheet:	
Sapling Stratum (Plot size: 1. None Observed	30 ft.)					
2.		-				_
2						_
	•		· —			_
4			· —			_
5.					FACU species 165 x 4 = 660	_
6			T-1-1-0		UPL species	— _(D)
	500/ 51 1		= Total Cover		Column Totals: <u>165</u> (A) <u>660</u>	(B)
0			20% of total cover:		5 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Shrub Stratum (Plot size:	<u>30 π.</u>)				Prevalence Index = B/A = 4.00	_
1. None Observed			<u> </u>			
2			<u> </u>		Hydrophytic Vegetation Indicators:	
3.			·		1 - Rapid Test for Hydrophytic Vegetation	
4			· ——		2 - Dominance Test is >50%	
5			·		3 - Prevalence Index is ≤ 3.0 ¹	
6.			· —		Problematic Hydrophytic Vegetation ¹ (Explain)	
		0	= Total Cover		4	
			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. Lolium perenne		70	Yes	FACU	Definitions of Five Vegetation Strata:	
2. Sorghum halepense		40	Yes	FACU	Tree - Woody plants, excluding woody vines,	
3. Solidago altissima		35	Yes	FACU	approximately 20 ft (6m) or more in height and 3 in.	
4. Trifolium repens		20	<u>No</u>	FACU	(7.6 cm) or larger in diameter at breast height (DBH).	
5			<u> </u>		Conflored Washington to the Forest Assistance	
6			<u> </u>		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			. <u>——</u>		Shrub - Woody plants, excluding woody vines,	
11			. <u>——</u>		approximately 3 to 20 ft (1 to 6 m) in height.	
		165	= Total Cover			
	50% of total cover:	82.5	20% of total cover:	33	Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size:	30 ft.)				herbaceous vines, regardless of size, <u>and</u> woody	
1. None Observed					plants, except woody vines, less than approximately	
2			<u> </u>		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 No X	
Remarks: (if observed, list mo	orphological adaptat	ions below).			
·				t angeles is t	oved as EAC- or drier)	
No positive indication of hydro	priyuc vegetation wa	as observe	u (≥ou% oi dominan	species inde	exeu as FACT OF UHEF).	

Depth	Matrix			Redox F	eatures					
(inches)	Color (moist)	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks			
0-3	10YR 4/2	None				Clay	Soil restriction due to compaction			
										
	Concentration, D=De					² Location: PL	=Pore Lining, M=			
•	ls Indicators: (App	licable to a	•		,			Problematic Hydric Soils ³ :		
Histosol (A1)					Surface (S8) (L			(A9) (LRR O)		
	Epipedon (A2)				e (S9) (LRR S,	•		(A10) (LRR S)		
Black Histic (A3)				-	neral (F1) (LRR	0)	Reduced Vertic (F18) (outside MLRA 150A,B			
Hydrogen Sulfide (A4)				Gleyed Ma	, ,		Piedmont Floodplain Soils (F19) (LRR P, S, T			
Stratified Layers (A5)			 :	ed Matrix (I	,		Anomalous Bright Loamy Soils (F20)			
	ic Bodies (A6) (LRR			Dark Surfa	, ,		(MLRA 153B)			
	Mucky Mineral (A7) (I		· — ·		ırface (F7)			Material (TF2)		
	Presence (A8) (LRR	•		Depression	, ,			ow Dark Surface (TF12)		
	Muck (A9) (LRR P, T			10) (LRR)			Other (Exp	lain in Remarks)		
	ed Below Dark Surfa	ice (A11)		`	F11) (MLRA 1	•	3, ,,			
	Dark Surface (A12)			•	Masses (F12)(P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present,			
	Prairie Redox (A16)	•		Umbric Surface (F13) (LRR P, T, U)				unless disturbed or problematic.		
	Mucky Mineral (S1)	(LRR O, S)		•	') (MLRA 151)			•		
	Gleyed Matrix (S4)			,	=18) (MLRA 15	•				
	Redox (S5)			•	ain Soils (F19)	•				
	ed Matrix (S6)		Anoma	llous Bright	t Loamy Soils (I	² 20) (MLRA 149	A, 153C, 153D)			
Dark S	Surface (S7) (LRR P,	S, T, U)								
	Layer (if observed)):								
Type:										
Depth (ir	nches):					Hydric	Soil Present?	/es NoX		
Remarks:						•				

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 10, 2018
Applicant/Owner:	Baton Rouge Area Chamber	Stat	te: Louisian	a Sample Point:	SL2
Investigator(s): O. Bar	ry and B. McNabb	Section, Township	p, Range:	N/A	
Landform (hillslope, terrace, etc.):	Flat	Local relief (conca	ave, convex, none): _	None Slope (%	%): <u>0-1</u>
Subregion (LRR or MLRA):	LRR O	Lat:30.1	89295° Long:	-91.024682° Date	um: NAD 83
Soil Map Unit Name:	Convent silt loam, 0 to 1 percent slop			Classification:	PFO1A
, ,	on the site typical for this time of year?	(Yes / No)		explain in Remarks.)	
Are Vegetation No ,Soil		-		tances" present? Yes	
Are Vegetation No ,Soil	No or Hydrology No natu	rally problematic?	(If needed,	explain any answers in F	Remarks.)
SUMMARY OF FINDINGS	S - Attach site map showing	sampling poin	it locations, tran	sects, important	features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes X No No Yes X No No	Is the Samp within a We		'es <u>X</u> No	
	be within a wetland due to the presence	of all 3 wetland crite	ria.		
HYDROLOGY					
Wetland hydrology Indicator			Secon	dary Indicators (minimur	n of two required)
	of one is required; check all that apply)	(5.40)		Surface Soil Cracks (B6	,
X Surface Water (A1)	Aquatic Faun	, ,		Sparsely Vegetated Con Drainage Patterns (B10)	, ,
High Water Table (A2) Saturation (A3)		s (B15) (LRR U) Ilfide Odor (C1)		Moss Trim Lines (B16)	
X Water Marks (B1)		zospheres on Living		Dry-Season Water Table	a (C2)
Sediment Deposits (B2)		Reduced Iron (C4)		Crayfish Burrows (C8)	5 (02)
Drift Deposits (B3)		Reduction in Tilled S		Saturation Visible on Ae	rial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Su		• •	Geomorphic Position (D	, ,
Iron Deposits (B5)		in in Remarks)		Shallow Aquitard (D3)	_,
Inundation Visible on Ae		,		FAC-Neutral Test (D5)	
Water-Stained Leaves (Sphagnum moss (D8) (L	.RR T, U)
Field Observations:					
Surface Water Present? Yes	X No Depth (inch	nes): <u>6+</u>			
Water Table Present? Yes	' ' '	nes): >20			
Saturation Present? Yes	No X Depth (inch	nes): <u>>20</u>	Wetland Hydrology	Present? Yes X	(No
(includes capillary fringe) Describe Recorded Data (stre	am gauge, monitoring well, aerial photos	s, previous inspection	ns), if available:		
Remarks:					
A positive indication of wetland	d hydrology was observed (at least one բ	orimary indicator)			
- F	, (41.10401 0110)	,			

VEGETATION ((Five Strata)	- Use scientific	names of plants.
* - O - 1 A 1 1 O 1 1	I IVO Otiata		names of plants.

					Is : = :			
		Absolute	Dominant	Indicator	Dominance Test workshee	:		
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominant Species			
1. Salix nigra		95	Yes	OBL	That Are OBL, FACW, or FA	C:	2	(A)
2			. <u> </u>					
3			. <u> </u>		Total Number of Dominant			
4					Species Across All Strata:		2	(B)
5								
6.					Percent of Dominant Species			
-		95	= Total Cover		That Are OBL, FACW, or FA	C: 10	0%	(A/B)
	50% of total cover:	47.5	20% of total cover:	19	, ,			,
Sapling Stratum (Plot size:			· ·		Prevalence Index Workshe	et:		
1 None Observed					Total % Cover of:	1	Multiply by:	
			· ·		OBL species 95	x 1 =	95	
2			·		· · · · · · · · · · · · · · · · · · ·	x 2 =	0	
3					FAC species 2		6	
4			· — ·		· · · · · · · · · · · · · · · · · · ·		0	
5					FACU species 0	x 4 =		
6			- -			x 5 =	0	
			= Total Cover		Column Totals: 97	(A)	101	(B)
			20% of total cover:					
Shrub Stratum (Plot size:	30 ft.)				Prevalence Index =	B/A =	1.04	
			. <u>——</u> .					
2			. <u></u> .		Hydrophytic Vegetation Inc	licators:		
3			. <u> </u>		1 - Rapid Test for H	drophytic Vege	etation	
4			. <u> </u>		X 2 - Dominance Test	is >50%		
5					X 3 - Prevalence Index	is ≤ 3.0 ¹		
6.			· <u></u>	<u></u>	Problematic Hydropl	nytic Vegetation	n¹ (Explain))
			= Total Cover					
	50% of total cover:		20% of total cover:		¹ Indicators of hydric soil and	wetland hvdro	loav must	
Herb Stratum (Plot size:			•		be present, unless disturbed	=		
1. None Observed					Definitions of Five Vegetati			
2.			·		Tree - Woody plants, exclud		S.	
3.			· ·		approximately 20 ft (6m) or m			
			· ——		(7.6 cm) or larger in diameter			
4			· — ·	_	(7.0 cm) or larger in diameter	at breast neigi	וו (טטוו).	
5					Sapling - Woody plants, exc	udina woody v	ines	
6			· -		approximately 20 ft (6 m) or r			
7			· <u></u> ·		than 3 in. (7.6 cm) DBH.			
8			· -		than 5 m. (7.0 cm) bbm.			
9			· <u></u> .		Shrub - Woody plants, exclu	dina woody vin		
0							es,	
1			. <u> </u>		approximately 3 to 20 ft (1 to	o m) in neight.		
			= Total Cover					
	50% of total cover:		20% of total cover:		Herb - All herbaceous (non-v		ū	
Woody Vine Stratum (Plot size	e: <u>30 ft.</u>)				herbaceous vines, regardless	· 	-	
1. Vitis rotundifolia		2	Yes	FAC	plants, except woody vines, le	ess than approx	ximately	
2					3 ft (1 m) in height.			
3.								
4.			· <u></u>		Woody vine - All woody vine	s, regardless o	f height.	
5.								
-		2	= Total Cover		Hydrophytic			
	50% of total cover:		20% of total cover:	0.4	Vegetation			
	oo 70 or total oovor.	 :	•		_	(No		

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

Sampling Point:	SL2
Sampling Full.	JLZ

	-	o the depth he	eded to doct			ommin the abs	ence of indicators.)	
epth	Matrix		I (! - t)	Redox F		2	T t	D
nches)_	Color (moist)	<u>%</u> <u>Co</u>	lor (moist)		Type ¹	Loc ²	<u>Texture</u>	Remarks
N/A								
Type: C=Co	ncentration, D=Deple	etion, RM=Redu	ıced Matrix, M	S=Maske	d Sand Grains.	² Location: P	L=Pore Lining, M=Matrix	K .
lydric Soils	Indicators: (Applic	able to all LRF	Rs, unless otl	nerwise n	oted.)		Indicators for Proble	ematic Hydric Soils ³ :
Histosol	(A1)		Polyval	ue Below	Surface (S8) (L	RR S, T, U)	1 cm Muck (A9)	(LRR O)
Histic Ep	oipedon (A2)		Thin Da	ark Surface	e (S9) (LRR S,	T, U)	2 cm Muck (A10	(LRR S)
Black Hi	stic (A3)		Loamy	Mucky Mir	neral (F1) (LRR	O)	Reduced Vertic	(F18) (outside MLRA 150A,I
Hydroge	n Sulfide (A4)		Loamy	Gleyed Ma	atrix (F2)		Piedmont Floodp	olain Soils (F19) (LRR P, S, T
Stratified	d Layers (A5)			ed Matrix (I			Anomalous Brigh	nt Loamy Soils (F20)
	Bodies (A6) (LRR P	. T. U)		` Dark Surfa	,		(MLRA 153B)	, , ,
	ıcky Mineral (A7) (LF	•			rface (F7)		Red Parent Mate	erial (TF2)
	esence (A8) (LRR U			Depression				rk Surface (TF12)
	ick (A9) (LRR P, T)	,		10) (LRR (Other (Explain in	, ,
		- (A11)			5) F11) (MLRA 1 5	:1\	Other (Explain ii	i Nemarks)
	d Below Dark Surface	s (A11)			Masses (F12) (3Indicators of	hydrophytic vegetation and
	ark Surface (A12)	#LDA 450A\		•	, , ,			logy must be present,
	rairie Redox (A16) (N				13) (LRR P, T	, 0)		ed or problematic.
	lucky Mineral (S1) (L	.RR O, S)) (MLRA 151)			
	Gleyed Matrix (S4)			•	18) (MLRA 15			
Sandy R	ledox (S5)		Piedmo	nt Floodpl	ain Soils (F19)	(MLRA 149A)		
	Matrix (S6)		Anoma	lous Bright	Loamy Soils (F	F20) (MLRA 14	9A, 153C, 153D)	
Dark Su	rface (S7) (LRR P, S	i, T, U)						
lantrintiva l	aver (if abanyad).					<u> </u>		
estrictive L	ayer (if observed):							
Type:								
Depth (inc	hes):					Hydri	c Soil Present? Yes _	X No
emarks:								
lo soil sampl	e collected. Soils ass	sumed hydric dı	ue to extent/du	ıration of i	nundation.			

Project/Site:	Noel Site	P	arish:	Ascension	Sampling	Date: May 10, 2018
Applicant/Owner:	Baton Rouge Area	Chamber	Stat	.e: <u>L</u>	ouisiana Sample P	Point: SL3
· · · ·		B. McNabb S	Section, Township	o, Range:		hip 10 South, Range 14 East
Landform (hillslope, terrace, e		L	ocal relief (conca			
Subregion (LRR or MLRA):	LRR O		_	82915° Lo	_	Datum: NAD 83
Soil Map Unit Name:		merce silty clay loa	am (Yes / No)	Yes	NWI Classification: (if no, explain in Rer	
	itions on the site typical for this ,Soil No ,or Hydrology	•			_(ii no, explain in Rei Circumstances" presei	·
-	,Soil No ,or Hydrology		-		eeded, explain any a	
	NGS - Attach site ma			,		,
30 WINAK I OF FINDI	NGS - Attach Site map	J SHOWING Sa	inpinig poni	LIUCALIUIIS	, transects, mi	Jortani realures, etc.
Hydrophytic Vegetation Pres		No <u>X</u>				
Hydric Soil Present?	Yes	No X	Is the Samp			
Wetland Hydrology Present?	? Yes	No <u>X</u>	within a We	tland?	Yes	No <u>X</u>
Remarks:						
Nemarks.						
This point was determine	ed not to be within a wetland d	ue to the lack of all	three wetland cri	iteria.		
HYDROLOGY						
Wetland hydrology Ind	icators:				Secondary Indicator	rs (minimum of two required)
Primary Indicators (minin	num of one is required; check	all that apply)			Surface Soil (
Surface Water (A1	·	Aquatic Fauna (I	B13)			etated Concave Surface (B8)
High Water Table	(A2)	Marl Deposits (B	315) (LRR U)		Drainage Patt	erns (B10)
Saturation (A3)		Hydrogen Sulfide	e Odor (C1)		Moss Trim Lir	nes (B16)
Water Marks (B1)		Oxidized Rhizos	pheres on Living	Roots(C3)	Dry-Season V	Vater Table (C2)
Sediment Deposits	s (B2)	Presence of Rec	duced Iron (C4)		Crayfish Burro	ows (C8)
Drift Deposits (B3)		Recent Iron Red	uction in Tilled S	oils (C6)	Saturation Vis	sible on Aerial Imagery (C9)
Algal Mat or Crust	(B4)	Thin Muck Surfa	ice (C7)		Geomorphic F	Position (D2)
Iron Deposits (B5)		Other (Explain in	n Remarks)		Shallow Aquit	ard (D3)
	on Aerial Imagery (B7)				FAC-Neutral	Test (D5)
Water-Stained Lea	aves (B9)				Sphagnum m	oss (D8) (LRR T, U)
Field Observations:				T		
Surface Water Present?	Yes No X	Depth (inches)): N/A			
Water Table Present?	Yes No X	Depth (inches)	· 			
Saturation Present?	Yes No X	Depth (inches)		Wetland Hyd	Irology Present?	Yes No X
(includes capillary fringe)	100 110 <u>X</u>). <u></u>	Trottana riya	irology i roconti	100 NOX
Describe Recorded Data	ı (stream gauge, monitoring we	ell, aerial photos, pr	evious inspection	ns), if available:		
		, , , , , ,	,	,,		
Remarks:						
No positive indication of	wetland hydrology was observ	ed.				

VEGETATION ((Five Strata)	- Use scientific	names of plants.
* - O - 1 A 1 1 O 1 1	I IVO Otiata		names of plants.

		Absolute	Dominant	Indicator	Dominance Test w	orksheet:			-
Tree Stratum (Plot size:		% cover		Status	Number of Dominar	nt Species			
None Observed		70 00101	ороснос.	Otatao	That Are OBL, FAC	•		0	(A)
2.					,	<u>-</u>			()
3.					Total Number of Do	minant			
4			· — -		Species Across All			2	(B)
5.					Opoolog / 15/000 / 11.	_			(5)
					Percent of Dominan	st Species			
6	 -		= Total Cover		That Are OBL, FAC	•		0	(A/B)
	50% of total cover:		20% of total cover:		HIGH AIG ODE, 17.0	W, UI I AU.		<u> </u>	(A/D)
Sapling Stratum (Plot size:	30 ft.)		20 /0 OI total 00 vo.		Prevalence Index \	Worksheet:			
1. None Observed					Total % C			Multiply by:	
_	 -				OBL species	0	x 1 =	0	
					FACW species	0	x 2 =	0	
3 4.					FAC species _	0	x 3 =	0	
					FAC species _	120	x 3 - x 4 =	480	
5					· _				
6	 -		T-t-L Cover		UPL species	120	x 5 =	0	—— (B)
	500/ : 5 hadal annum		= Total Cover		Column Totals: _	120	(A)	480	(B)
Of the Otto town (Diet sies)	-		20% of total cover:		Description	1 · 1 · · · - D/A -		4.00	
Shrub Stratum (Plot size:	30 ft.)				Prevalence	e Index = B/A =		4.00	
2.					Hydrophytic Veget	tation Indicato	ors:		
3.						Test for Hydrop		getation	
4.					2 - Domina		-	•	
5.						ence Index is ≤			
6.						c Hydrophytic \		on ¹ (Explain))
	-		= Total Cover			91.7	3 -	,, (=- i ,	,
	50% of total cover:		20% of total cover:		¹ Indicators of hydri	ic soil and wetla	and hydr	oloav must	
Herb Stratum (Plot size:	-		. = • · · · · · · · · · · · · · · · · · ·		be present, unless of		•	٠.	
Sorghum halepense		70	Yes	FACU	Definitions of Five			-	
Trifolium pratense	-	30	Yes	FACU	Tree - Woody plant	_		es.	
Lolium perenne	<u> </u>	20	No No	FACU	approximately 20 ft	_	-		
	 -		110	17100	(7.6 cm) or larger in		-		
4					(7.0 dill) di laigei ili	Ulameter at Di	East Heig	JIII (DDI 1).	
5					Sapling - Woody pl	lants. excluding	yboody r	vines.	
6					approximately 20 ft				
7					than 3 in. (7.6 cm) [, ,	11	WI.W 14	
8	 -				and and (1.0 cm, -	, , , , , , , , , , , , , , , , , , ,			
9	 -				Shrub - Woody plai	nte excludina (woody vi	nee	
0	 -		· — ·		approximately 3 to 2	-	-		
1	 -	120			approximatory 5 to 2	10 11 (1 10 0 111)	III Heigh		
			= Total Cover		Herb - All herbaceo	···- (non woody	·\ nlanta	: aludina	
	50% of total cover:	60	20% of total cover:	24	herb - All nerbaceo	` ,	, ,	O	
Woody Vine Stratum (Plot size	e: <u>30 ft.</u>)				,	o .		,	
1. None Observed					plants, except wood	ly vines, iess u	ian appro	Oximatery	
2			. <u> </u>		3 ft (1 m) in height.				
3									
4			,		Woody vine - All w	oody vines, rec	jardless	of height.	
5			. <u> </u>						
	-		= Total Cover		Hydrophytic				
	50% of total cover:		20% of total cover:		Vegetation				
					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)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-16	10YR 4/3	100	None				Clay	_	
			-						
			-						
								_	
	Concentration, D=De	nlotion DM:	-Poducod Matrix N		d Cond Crains	² Location: DI	 _=Pore Lining, M=Matri	· · · · · · · · · · · · · · · · · · ·	
	ls Indicators: (App					Location. FL		 ematic Hydric Soils ³ :	
Histos					Surface (S8) (L	RR S. T. U)	1 cm Muck (A9)	•	
	Epipedon (A2)				e (S9) (LRR S ,		2 cm Muck (A10	•	
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O				•		(F18) (outside MLRA 150A,B			
				Gleyed Ma	atrix (F2)		Piedmont Floodplain Soils (F19) (LRR P, S, T)		
Stratifi	ed Layers (A5)	Deplet	ed Matrix (I	F3)		Anomalous Bright Loamy Soils (F20)			
Organi	ic Bodies (A6) (LRR	P, T, U)	Redox	Dark Surfa	ace (F6)		(MLRA 153B)		
5 cm N	Mucky Mineral (A7) (I	LRR P, T, U) Deplet	ed Dark Su	ırface (F7)		Red Parent Material (TF2)		
Muck F	Presence (A8) (LRR	U)	Redox	Depression	ns (F8)		Very Shallow Da	ark Surface (TF12)	
1 cm N	/luck (A9) (LRR P, T)	Marl (F	10) (LRR I	U)		Other (Explain in	n Remarks)	
	ed Below Dark Surfa	ace (A11)			F11) (MLRA 1		3		
	Dark Surface (A12)			•	Masses (F12)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.		
	Prairie Redox (A16)	•		,	F13) (LRR P, T	, U)			
	Mucky Mineral (S1)	(LRR O, S)	·		') (MLRA 151)	04 4500)			
	Gleyed Matrix (S4) Redox (S5)			,	F18) (MLRA 15 ain Soils (F19)	•			
	ed Matrix (S6)			•	, ,	(MLKA 149A) F20) (MLRA 149	A 153C 153D)		
	Surface (S7) (LRR P ,	, S, T, U)		lous Brigin	Loanly Collo (20) (MERA 143	A, 1000, 100D)		
Dootriotivo	Lover (if abouted	\ <u>.</u>							
	Layer (if observed):							
Type: Depth (ir	nches):					المراجات	Soil Present? Yes	No. V	
Dehiii (ii						nyunc	Join Fresents Tes_	NoX	
Remarks:						ı			

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 10, 2018
Applicant/Owner:	Baton Rouge Area Chamber	St	ate: Louis	siana Sample Point:	SL4
• , ,	B. McNab	Section, Townsl	nip, Range: S	Section 32, Township 10 So	uth, Range 14 East
Landform (hillslope, terrace, e	· · · · · · ·		cave, convex, none)		
Subregion (LRR or MLRA):	LRR O		.183490° Long:		tum: NAD 83
Soil Map Unit Name:	Commerce silty tions on the site typical for this time of ye			WI Classification: no, explain in Remarks.)	PEM1C
, ,	••	, , _	,	imstances" present? Yes	X No
		naturally problematic?		led, explain any answers in	
	NGS - Attach site map showi		•		,
JOWINARY OF FINDI	105 - Attach site map show	ing sampling pol	int locations, ti	ansects, important	reatures, etc.
Hydrophytic Vegetation Pres					
Hydric Soil Present?	Yes X No		-		
Wetland Hydrology Present?	Yes X No	within a W	etland?	Yes X No	
Remarks:					
Nemarks.					
This point was determine	ed to be within a wetland due to the prese	ence of all 3 wetland cri	teria.		
HYDROLOGY					
Wetland hydrology Indi	icators:		Se	econdary Indicators (minimu	m of two required)
Primary Indicators (minim	num of one is required; check all that app	oly)		Surface Soil Cracks (B6	
Surface Water (A1) Aquatic	Fauna (B13)		Sparsely Vegetated Co	ncave Surface (B8)
High Water Table	(A2) Marl De	posits (B15) (LRR U)	_	Drainage Patterns (B10	1)
Saturation (A3)	Hydroge	en Sulfide Odor (C1)		Moss Trim Lines (B16)	
Water Marks (B1)	X Oxidized	d Rhizospheres on Livir	ig Roots(C3)	Dry-Season Water Tab	le (C2)
Sediment Deposits	(B2) Presence	e of Reduced Iron (C4)		Crayfish Burrows (C8)	
Drift Deposits (B3)	Recent	Iron Reduction in Tilled	Soils (C6)	Saturation Visible on A	erial Imagery (C9)
Algal Mat or Crust	(B4) Thin Mu	ck Surface (C7)		Geomorphic Position (D	02)
Iron Deposits (B5)		Explain in Remarks)		Shallow Aquitard (D3)	
	on Aerial Imagery (B7)			FAC-Neutral Test (D5)	
Water-Stained Lea	ives (B9)		_	Sphagnum moss (D8) (LRR T, U)
Field Observations:					
	Yes No X Depth	(inches): N/A			
Water Table Present?	 '	(inches): >20			
Saturation Present?		(inches): >20	Wetland Hydrol	nav Present? Yes	X No
(includes capillary fringe)	100 <u>X</u> Bopan	(monoo). <u></u>	Tronana riyaron		<u> </u>
Describe Recorded Data	(stream gauge, monitoring well, aerial pl	notos, previous inspect	ons), if available:		
		,, ,	,,		
Remarks:					
A positive indication of w	etland hydrology was observed (at least	one primary indicator).			
			,		
A positive indication of w	etland hydrology was observed (at least	two secondary indicato	rs).		

					Dominance Test worksheet:		
T 0	00 %	Absolute	Dominant	Indicator			
Tree Stratum (Plot size:	<u>30 π.</u>)	% cover	Species?	Status	Number of Dominant Species	_	
1. None Observed					That Are OBL, FACW, or FAC:	3	(A)
2			. <u></u> .				
3			. <u> </u>		Total Number of Dominant		
4			· <u></u>		Species Across All Strata:	3	(B)
5			. <u>——</u> .				
6			. <u> </u>		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:	30 ft.)				Prevalence Index Worksheet:		
1. None Observed					Total % Cover of:	Multiply by:	
2.					OBL species 130	x 1 = 130	
3.			· <u></u>		FACW species 0	x 2 = 0	<u>_</u>
4.	<u> </u>		· <u></u>		FAC species 0	x 3 = 0	
5.					FACU species 0	x 4 = 0	
6.			·		UPL species 0	x 5 = 0	
	_		= Total Cover		Column Totals: 130	(A) 130	(B)
	50% of total cover		20% of total cover:			()	(-/
Shrub Stratum (Plot size:			20% of total cover.		Prevalence Index = B/A =	1.00	
1. None Observed	<u> </u>				Trevalence index = Birt =	1.00	
			· <u> </u>		Hydrophytic Vogotation Indicator	***	
2.			· — ·		Hydrophytic Vegetation Indicator		
3					1 - Rapid Test for Hydroph		
4			·		X 2 - Dominance Test is >50		
5.			· ·		X 3 - Prevalence Index is ≤ 3		
6.			. <u>—</u>		Problematic Hydrophytic V	egetation (Explain)	
			= Total Cover				
			20% of total cover:		¹ Indicators of hydric soil and wetla		
Herb Stratum (Plot size:	30 ft.)				be present, unless disturbed or prol		
1. Eleocharis obtusa		60	<u>Yes</u>	OBL	Definitions of Five Vegetation St	rata:	
2. Persicaria punctata		20	Yes	OBL	Tree - Woody plants, excluding wo	ody vines,	
3. Alternanthera philoxeroides		20	Yes	OBL	approximately 20 ft (6m) or more in	height and 3 in.	
4. Carex frankii		15	No	OBL	(7.6 cm) or larger in diameter at bre	ast height (DBH).	
5. Ranunculus sceleratus		15	No	OBL			
6			. <u> </u>		Sapling - Woody plants, excluding		
7			. <u> </u>		approximately 20 ft (6 m) or more in	height and less	
8			. <u> </u>		than 3 in. (7.6 cm) DBH.		
9							
10					Shrub - Woody plants, excluding w	•	
11			. <u> </u>		approximately 3 to 20 ft (1 to 6 m) in	n height.	
		130	= Total Cover				
	50% of total cover:	65	20% of total cover:	26	Herb - All herbaceous (non-woody)	plants, including	
Woody Vine Stratum (Plot size:	30 ft.)		·		herbaceous vines, regardless of siz	e, <u>and</u> woody	
1. None Observed	,				plants, except woody vines, less that	an approximately	
2.			· <u></u>		3 ft (1 m) in height.		
3.			·				
4	_		·		Woody vine - All woody vines, rega	ardless of height.	
5			·			-	
5	-		= Total Cover		Hydrophytic		
	50% of total cover:		20% of total cover:		Vegetation		
	30 % of total cover.		20 % Of total cover.		_	Na	
					Present? Yes X	NO	
			<u> </u>				
Remarks: (if observed, list me	orphological adaptat	ons below).				
A positive indication of hydrop	hytic vegetation was	observed	(>50% of dominant	species index	ked as OBL, FACW, or FAC).		
	•				•		

Depth	Matrix			Redox F	eatures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-16	10YR 2/2	95	10YR 5/8	5	С	PL	Clay		
	Concentration, D=Dep					² Location: P	L=Pore Lining, M=Matri		
•	s Indicators: (Appl	icable to a	•		•			ematic Hydric Soils ³ :	
Histoso	ol (A1)				Surface (S8) (L		1 cm Muck (A9)	(LRR O)	
Histic Epipedon (A2)					e (S9) (LRR S,		2 cm Muck (A10	, ,	
Black Histic (A3)				•	neral (F1) (LRR	Reduced Vertic (F18) (outside MLRA 150A,B)			
Hydrogen Sulfide (A4)				Gleyed Ma	` ,		plain Soils (F19) (LRR P, S, 1		
Stratified Layers (A5)				ed Matrix (I	,			ht Loamy Soils (F20)	
Organic Bodies (A6) (LRR P, T, U)			X Redox		` ,		(MLRA 153B)		
5 cm Mucky Mineral (A7) (LRR P, T, U)			· — ·		ırface (F7)		Red Parent Mat	` '	
	Presence (A8) (LRR	•		Depression	` ,			ark Surface (TF12)	
	Muck (A9) (LRR P, T)			10) (LRR I	•	Other (Explain i	n Remarks)		
	ed Below Dark Surfa	ce (A11)		,	F11) (MLRA 1 5	•	3		
	Dark Surface (A12)			•	Masses (F12) (³ Indicators of hydrophytic vegetation and wetland hydrology must be present,			
	Prairie Redox (A16) (•	· —	•	=13) (LRR P, T ,	U)	unless disturbed or problematic.		
	Mucky Mineral (S1)	(LRR O, S		•) (MLRA 151)				
	Gleyed Matrix (S4)				F18) (MLRA 15 0				
	Redox (S5)			•	ain Soils (F19)	•			
	ed Matrix (S6)		Anoma	lous Bright	Loamy Soils (F	·20) (MLRA 149	9A, 153C, 153D)		
Dark S	Surface (S7) (LRR P,	S, I, U)							
Restrictive	Layer (if observed)	:							
Type:									
Depth (ir	nches):					Hydrid	Soil Present? Yes	X No	
Remarks:									
A positive ir	ndication of hydric soi	ı was obse	erved.						

Project/Site:	Noel Site	F	Parish:	Ascension	Sampling	Date: May 10, 2018	
Applicant/Owner:	Baton Rouge Area	a Chamber	Stat	te: L	ouisiana Sample F	Point: SL5	
Investigator(s): O). Barry and	B. McNabb	Section, Township	o, Range:	Section 32, Towns	ship 10 South, Range 14 East	
Landform (hillslope, terrace, et			Local relief (conc				
Subregion (LRR or MLRA):	LRR O			83869° L		5° Datum: NAD 83	
Soil Map Unit Name: Are climatic / hydrologic condit		nmerce silty clay lo	am (Yes / No)	Yes	_ NWI Classification: (if no, explain in Re		
, ,	,Soil No ,or Hydrology	•			(ii no, explain in re Circumstances" prese	· ·	
	,Soil No ,or Hydrology		ly problematic?		needed, explain any a		
SUMMARY OF FINDI			•	,		•	
SOMMAN OF FINDI	NOS - Attach Site ma	p snowing sa	inipinig poin	it iocations	s, transects, iiii	portant reatures, etc.	
Hydrophytic Vegetation Pres		No <u>X</u>					
Hydric Soil Present?	Yes X	No	Is the Samp				
Wetland Hydrology Present?	Yes	No <u>X</u>	within a We	tland?	Yes	NoX	
Remarks:							
Nemarks.							
This point was determine	ed not to be within a wetland o	due to the lack of hy	/drophytic vegeta	tion and wetlar	nd hydrology.		
I							
HYDROLOGY							
Wetland hydrology Indi	icators:				Secondary Indicator	rs (minimum of two required)	
	num of one is required; check	all that apply)			Surface Soil		
Surface Water (A1	•	Aquatic Fauna (B13)			getated Concave Surface (B8)	
High Water Table	· —	Marl Deposits (E	,		Drainage Pat		
Saturation (A3)		— ' \ Hydrogen Sulfid					
Water Marks (B1)			spheres on Living	Roots(C3)		Water Table (C2)	
Sediment Deposits		Presence of Re		()	Crayfish Burr	` '	
Drift Deposits (B3)	· ·	_	duction in Tilled S	oils (C6)		sible on Aerial Imagery (C9)	
Algal Mat or Crust	(B4)	Thin Muck Surfa	ace (C7)		Geomorphic	Position (D2)	
Iron Deposits (B5)		Other (Explain i	n Remarks)		Shallow Aqui	tard (D3)	
Inundation Visible	on Aerial Imagery (B7)				FAC-Neutral	Test (D5)	
Water-Stained Lea	ives (B9)				Sphagnum m	noss (D8) (LRR T, U)	
Field Observations:							
Surface Water Present?	Yes NoX	_ Depth (inches	s): N/A				
Water Table Present?	Yes NoX	_ Depth (inches					
Saturation Present?	Yes NoX	_ Depth (inches	s): <u>>20</u>	Wetland Hy	drology Present?	Yes NoX	
(includes capillary fringe)							
Describe Recorded Data	(stream gauge, monitoring w	ell, aerial photos, p	revious inspection	ns), if available	:		
Remarks:							
No positive indication of a	wetland hydrology was observ	wed					
No positive indication of v	welland hydrology was observ	veu.					

VEGETATION	(Five Strata)) - Use scientific	names of i	olants.

		Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:	30 ft)	% cover	Species?	Status	Number of Dominant Species
1. None Observed		70 00 00			That Are OBL, FACW, or FAC: (A)
2. 3.			·		Total Number of Dominant
4.					Species Across All Strata: 1 (B)
5					
6.			· ———		Percent of Dominant Species
			= Total Cover		That Are OBL, FACW, or FAC: (A/B)
			20% of total cover:		Prevalence Index Worksheet:
Sapling Stratum (Plot size:	30 ft.)				
		-	<u> </u>		
2			· -		FACW species 0 x 2 = 0
3. 4.			· -		FAC species 0 x 3 = 0
5.			<u> </u>		FACU species 80 x 4 = 320
6.			· ———		UPL species 0 x 5 = 0
			= Total Cover		Column Totals: 80 (A) 320 (B
	50% of total cover:		20% of total cover:		
Shrub Stratum (Plot size:	30 ft.)		•		Prevalence Index = B/A = 4.00
1. None Observed 2.					Hydrophytic Vegetation Indicators:
3.			·		1 - Rapid Test for Hydrophytic Vegetation
4.					2 - Dominance Test is >50%
5.					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 wetland hydrology must
Herb Stratum (Plot size:	30 ft.)				be present, unless disturbed or problematic.
Saccharum officinarum		80	Yes	FACU	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			· <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.
		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	: <u>30 ft.</u>)				herbaceous vines, regardless of size, <u>and</u> woody
1. None Observed			· —		plants, except woody vines, less than approximately
2			<u> </u>		3 ft (1 m) in height.
3.			· ———		Woody vine - All woody vines, regardless of height.
4			· · ·		Woody Ville - All Woody Villes, regardless of fleight.
o			= Total Cover		Hydrophytic
	50% of total cover:	-	20% of total cover:		Hydrophytic Vegetation
	50% of total cover.		20% of total cover.		_
					Present? Yes NoX
Remarks: (if observed, list m	norphological adaptat	ions below).		1
			,	t anades is d	layed as FAC or drier\
No positive indication of hydr	opriyile vegetation wa	as observe	u (≥o∪% oi dominan	it species inde	lexeu as FACT OF UHEF).

Sampling Point:

SL5

Depth inches)	Matrix Color (moist)	% Col	or (moist)	Redox F	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/2		5YR 4/6	10	C	M	Clay loam	romano
Type: C=C	Concentration, D=Deple	etion, RM=Redu	ced Matrix, M	S=Masked	Sand Grains.	² Location: PL	_=Pore Lining, M=Matr	
lydric Soil	s Indicators: (Applic	able to all LRR	s, unless otl	nerwise no	oted.)		Indicators for Prob	lematic Hydric Soils ³ :
Histoso	, ,				Surface (S8) (L	· · · · ·	1 cm Muck (A9	
	Epipedon (A2)				(S9) (LRR S,	· •	2 cm Muck (A1	
	Histic (A3)				eral (F1) (LRR	O)		(F18) (outside MLRA 150A)
	gen Sulfide (A4)			Gleyed Ma	, ,			Iplain Soils (F19) (LRR P, S,
	ed Layers (A5)		X Deplete		•			ht Loamy Soils (F20)
	c Bodies (A6) (LRR P,	•		Dark Surfa	, ,		(MLRA 153B)	(TEO)
	Mucky Mineral (A7) (LR			ed Dark Su			Red Parent Ma	
	Presence (A8) (LRR U))		Depressior	, ,		 ·	ark Surface (TF12)
	luck (A9) (LRR P, T) ed Below Dark Surface	o (A11)		10) (LRR (nd Ochric (l	יס) F11) (MLRA 1 !	51)	Other (Explain	in Remarks)
	ed Беюw Dark Surface Dark Surface (А12)	s (ATT)		•	Masses (F12)	-	³ Indicators o	hydrophytic vegetation and
	Prairie Redox (A16) (N	/I PΔ 150Δ\		-	13) (LRR P, T	•		ology must be present,
	Mucky Mineral (S1) (L			•) (MLRA 151)	, 0,	unless distur	bed or problematic.
	Gleyed Matrix (S4)	0, 0,		,	18) (MLRA 15	0A. 150B)		
	Redox (S5)					(MLRA 149A)		
	ed Matrix (S6)					=20) (MLRA 149	A. 153C. 153D)	
- ''	turface (S7) (LRR P, S	T UN	7 (1011)	ous Brigin	Louiny Cons (20) (MERA 143	A, 1000, 100D)	
	() (, -	, ., .,						
Restrictive	Layer (if observed):							
Type:								
Depth (ir	nches):					Hydric	Soil Present? Yes	X No
Remarks:								
Remarks:								
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	dication of hydric soil v	was observed.						
	dication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						
	ndication of hydric soil v	was observed.						

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 10, 2018
Applicant/Owner:	Baton Rouge Area Chamber	Sta	te: Louisia	na Sample Point:	SL6
Investigator(s): O. Bar	ry and B. McNabb	Section, Townshi	p, Range: <u>Se</u>	ction 58, Township 10 So	uth, Range 14 East
Landform (hillslope, terrace, etc.):		-	ave, convex, none):		
Subregion (LRR or MLRA):	LRR O		65633° Long:		tum: NAD 83
Soil Map Unit Name:	Thibaut clay, 0 to 1 perc			I Classification: o, explain in Remarks.)	None
Are Vegetation No ,Soil	on the site typical for this time of year? No ,or Hydrology No sign			stances" present? Yes	X No
Are Vegetation No ,Soil		urally problematic?		d, explain any answers in	
	S - Attach site map showing		`	•	,
- SOMMANT OF FINDINGS	3 - Attach site map showing	sampling poin	it locations, tra	misects, important	reatures, etc.
Hydrophytic Vegetation Present?	Yes X No	_			
Hydric Soil Present?	Yes X No	_ Is the Samp			
Wetland Hydrology Present?	Yes X No	_ within a We	tland?	Yes X No	
Pomorko					
Remarks:					
This point was determined to l	be within a wetland due to the presence	of all 3 wetland crite	ria.		
HYDROLOGY					
Wetland hydrology Indicato	rs:		Sec	ondary Indicators (minimu	m of two required)
Primary Indicators (minimum o	of one is required; check all that apply)			Surface Soil Cracks (B6	
Surface Water (A1)	Aquatic Faur	na (B13)		Sparsely Vegetated Co	,
High Water Table (A2)	 '	s (B15) (LRR U)		Drainage Patterns (B10	` '
Saturation (A3)		ılfide Odor (C1)		Moss Trim Lines (B16)	
Water Marks (B1)	X Oxidized Rhi	zospheres on Living	Roots(C3)	Dry-Season Water Tab	le (C2)
Sediment Deposits (B2)	Presence of	Reduced Iron (C4)	X	Crayfish Burrows (C8)	
Drift Deposits (B3)	Recent Iron I	Reduction in Tilled S	ioils (C6)	Saturation Visible on A	erial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck S	urface (C7)		Geomorphic Position (D	02)
Iron Deposits (B5)	Other (Expla	in in Remarks)		Shallow Aquitard (D3)	
Inundation Visible on A	erial Imagery (B7)		X	FAC-Neutral Test (D5)	
Water-Stained Leaves	(B9)			Sphagnum moss (D8) (LRR T, U)
			T		
Field Observations:					
Surface Water Present? Yes	 · · ·	· 			
Water Table Present? Yes	· ` `	· ——			
Saturation Present? Yes	NoX Depth (incl	hes): <u>>20</u>	Wetland Hydrolog	gy Present? Yes	X No
(includes capillary fringe)					
Describe Recorded Data (stre	am gauge, monitoring well, aerial photos	s, previous inspectio	ns), if available:		
Remarks:					
Remarks.					
A positive indication of wetland	d hydrology was observed (at least one	primary indicator).			
	, 3,	,			
A positive indication of wetland	d hydrology was observed (at least two s	secondary indicators).		

		Absolute	Dominant	Indicator	Dominance Test w	orksheet:		
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominan	t Species		
1. Quercus texana		40	Yes	FACW	That Are OBL, FAC	•	6	(A)
2.			· <u></u>			_		_ `
3.			·		Total Number of Do	minant		
4.			·		Species Across All S	Strata:	6	(B)
5.			·					_
6.			· <u> </u>		Percent of Dominan	t Species		
_	_	40	= Total Cover	_	That Are OBL, FAC	W, or FAC: _	100%	(A/B)
	50% of total cover:	20	20% of total cover:	8				
Sapling Stratum (Plot size:	30 ft.)				Prevalence Index V	Vorksheet:		
1. Salix nigra		30	Yes	OBL	Total % C	over of:	Multiply I	oy:
2. Liquidambar styraciflua		10	Yes	FAC	OBL species	50	x 1 = 50	<u>) </u>
3. Quercus texana		10	Yes	FACW	FACW species	60	x 2 = 12	:0
4.			· - ———		FAC species	60	x 3 = 18	0
5.			· —		FACU species	0	x 4 = 0	<u> </u>
6.			·		UPL species	0	x 5 = 0	
		50	= Total Cover		Column Totals:	170	(A) 35	60 (B)
	50% of total cover:	25	20% of total cover:	10	_		·	
Shrub Stratum (Plot size:					Prevalence	Index = B/A =	2.06	
1. Baccharis halimifolia		10	Yes	FAC				
2.			· — -		Hydrophytic Veget	ation Indicato	rs:	
3.							nytic Vegetation	
4.			. 		X 2 - Domina			
5.			<u> </u>		X 3 - Prevale			
			.				o.o /egetation ¹ (Expla	ain)
6		10	= Total Cover			, Hydropriyae v	egolation (Explo	<i>)</i>
	50% of total cover:		-	2	¹ Indicators of hydri	o soil and wetla	and bydrology mu	n+
Herb Stratum (Plot size:	30 ft.)		20 /0 OI (O(a) COVO).		be present, unless d			5 l
Rubus argutus	<u> </u>	40	Yes	FAC	Definitions of Five			
Carex frankii		10	No	OBL	Tree - Woody plant	_		
		10	No No			_	-	
3. Cyperus virens				FACW	approximately 20 ft (-	
4. Juncus effusus		10	<u>No</u>	OBL	(7.6 cm) or larger in	diameter at bre	ast neight (חסח)	•
5					Sapling - Woody pla	ente excludina	woody vines	
6			.		approximately 20 ft (_	-	
7			-		than 3 in. (7.6 cm)		THEIGHT AND 1000	
8.			<u> </u>		man s m. (7.0 cm) L	и.		
9			<u> </u>		Charle Woody plan	tluding u		
10			<u> </u>		Shrub - Woody plan		•	
11			<u> </u>		approximately 3 to 2	.0 ft (1 to 6 m) ii	n height.	
			= Total Cover					
	50% of total cover:	35	20% of total cover:	14	Herb - All herbaceon	,		
Woody Vine Stratum (Plot size:	30 ft.)				herbaceous vines, re	-		
1. None Observed					plants, except wood	y vines, less tha	an approximately	
2					3 ft (1 m) in height.			
3.			<u> </u>					
4.			·		Woody vine - All wo	oody vines, rega	ardless of height.	
5.			•					
-			= Total Cover		Hydrophytic			
	50% of total cover:		20% of total cover:		Vegetation			
			. = -		_	es X	Νο	
Remarks: (if observed, list m	errhological adaptati	ions helow	<u> </u>					
•								
A positive indication of hydror	ohytic vegetation was	observed	(>50% of dominant	species index	xed as OBL. FACW. or F	FAC).		

Depth	Matrix			Redox F	eatures			
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/1	85	7.5YR 5/8	15	C	M/PL	Clay	
			-					
Type: C=C	Concentration, D=Dep	oletion, RM	=Reduced Matrix, N	/IS=Masked	d Sand Grains.	² Location: PL	_=Pore Lining, M=Matri	
Hydric Soil	s Indicators: (Appl	icable to a	II LRRs, unless of	herwise n	oted.)		Indicators for Probl	ematic Hydric Soils ³ :
Histoso	ol (A1)		Polyva	lue Below	Surface (S8) (L	.RR S, T, U)	1 cm Muck (A9)	(LRR O)
Histic I	Epipedon (A2)		Thin D	ark Surface	e (S9) (LRR S,	T, U)	2 cm Muck (A10)) (LRR S)
Black I	Histic (A3)		Loamy	Mucky Mir	neral (F1) (LRR	O)	Reduced Vertic	(F18) (outside MLRA 150A,I
Hydrog	gen Sulfide (A4)		Loamy	Gleyed Ma	atrix (F2)		Piedmont Flood	plain Soils (F19) (LRR P, S, 1
	ed Layers (A5)		X Deplet	ed Matrix (l	F3)			ht Loamy Soils (F20)
Organi	ic Bodies (A6) (LRR	P, T, U)	Redox	Dark Surfa	ace (F6)		(MLRA 153B)	
	/lucky Mineral (A7) (L		Deplet	ed Dark Su	ırface (F7)		Red Parent Mat	, ,
	Presence (A8) (LRR			Depression	` '			ark Surface (TF12)
	/luck (A9) (LRR P, T)			10) (LRR I	=		Other (Explain i	n Remarks)
	ed Below Dark Surfa	ce (A11)			F11) (MLRA 1 5	-	3	
	Dark Surface (A12)			•	Masses (F12) (hydrophytic vegetation and blogy must be present,
	Prairie Redox (A16)	•			F13) (LRR P, T	, U)	,	ped or problematic.
	Mucky Mineral (S1)	(LRR O, S)			() (MLRA 151)			•
	Gleyed Matrix (S4)			,	=18) (MLRA 15			
	Redox (S5)			-	ain Soils (F19)	-		
	ed Matrix (S6)		Anoma	alous Bright	t Loamy Soils (F	F20) (MLRA 149	A, 153C, 153D)	
Dark S	Surface (S7) (LRR P,	S, T, U)						
Restrictive	Layer (if observed)	<u> </u>						
Type:	nches):					Hydric	Soil Present? Ves	X No
Deptii (ii						riyanc	John resent: Tes_	<u> </u>
Remarks:								
tomanto.								
A positive in	ndication of hydric so	il was obse	rved.					
	•							

Project/Site:	Noel Site	Р	arish:	Ascension	Sampling	Date: May 10), 2018
Applicant/Owner:	Baton Rouge Area	Chamber	Stat	e: <u>L</u>	_ouisiana Sample F	Point: SL	.7
Investigator(s):	D. Barry and		ection, Township	· · · —		ship 10 South, Range	14 East
Landform (hillslope, terrace, e		L	ocal relief (conca		<u>-</u>		0
Subregion (LRR or MLRA):	LRR O		_	63144° L	ong: -91.048569		NAD 83
Soil Map Unit Name:	itions on the site typical for this	merce silty clay loa	m Yes / No)	Yes	_ NWI Classification: (if no, explain in Re		
, ,	Soil No or Hydrology	•			(ii no, explain in real Circumstances" prese	·	No
	,Soil No ,or Hydrology		-		needed, explain any a		-
	NGS - Attach site map		•	•		•	
SOMMAN OF FINDI	1105 - Attach Site map	silowing sai	inpling poin	liocations	5, transects, mi	Jordani Teature	S, EIG.
Hydrophytic Vegetation Pres		No <u>X</u>					
Hydric Soil Present?	Yes <u>X</u>	No	Is the Samp				
Wetland Hydrology Present?	? Yes	No <u>X</u>	within a We	tland?	Yes	NoX	
Remarks:							
Nemarks.							
This point was determine	ed not to be within a wetland du	ue to the lack of hyd	drophytic vegetat	tion and wetlar	nd hydrology.		
HYDROLOGY							
Wetland hydrology Ind	icators:				Secondary Indicator	rs (minimum of two re	equired)
Primary Indicators (minin	num of one is required; check a	all that apply)			Surface Soil (<u> </u>
Surface Water (A1	•	Aquatic Fauna (E	313)			etated Concave Surfa	ace (B8)
High Water Table	· —	Marl Deposits (B	15) (LRR U)		Drainage Pat		, ,
Saturation (A3)	· ,	Hydrogen Sulfide					
Water Marks (B1)		Oxidized Rhizos	pheres on Living	Roots(C3)	Dry-Season V	Water Table (C2)	
Sediment Deposits	s (B2)	Presence of Red	luced Iron (C4)		Crayfish Burn	ows (C8)	
Drift Deposits (B3)		Recent Iron Red	uction in Tilled S	oils (C6)	Saturation Vis	sible on Aerial Imager	ry (C9)
Algal Mat or Crust	(B4)	Thin Muck Surfa	ce (C7)		Geomorphic I	Position (D2)	
Iron Deposits (B5)		Other (Explain in	Remarks)		Shallow Aqui	tard (D3)	
Inundation Visible	on Aerial Imagery (B7)				FAC-Neutral	Test (D5)	
Water-Stained Lea	aves (B9)				Sphagnum m	oss (D8) (LRR T, U)	
Field Observations:							
Surface Water Present?	Yes NoX	Depth (inches)					
Water Table Present?	Yes NoX	Depth (inches)					
Saturation Present?	Yes NoX	Depth (inches)	: >20	Wetland Hy	drology Present?	Yes No	<u> </u>
(includes capillary fringe)							
Describe Recorded Data	ı (stream gauge, monitoring we	ell, aerial photos, pr	evious inspectior	ns), if available	: :		
Damaria.							
Remarks:							
No positive indication of	wetland hydrology was observe	ed					
No positive indication of	Wetland Hydrology was observe	cu.					

/EGETATION	(Five Strata)	- Use scientific	names of pla	ants

EGETATION (Five Strat	ta) - Use scienti	fic name	es of plants.		S	ampling Point: _		SL7	
		Absolute	Dominant	Indicator	Dominance Test v	vorksheet:			
Constitute (District	20 # \								
ree Stratum (Plot size: None Observed	30 ft.)	% cover	Species?	Status	Number of Domina That Are OBL, FAC	•		0	(A)
						_			
					Total Number of Do	ominant			
					Species Across All	Strata:		1	(B)
					Percent of Dominal	nt Species			
			= Total Cover		That Are OBL, FAC	CW, or FAC: _		0	(A/B)
	•		20% of total cover:						
apling Stratum (Plot size:	30 ft.)				Prevalence Index	Worksheet:			
None Observed					Total % 0	Cover of:		Multiply by:	
					OBL species	0	x 1 =	0	
					FACW species	0	x 2 =	0	
					FAC species	0	x 3 =	0	
			<u> </u>		FACU species	80	x 4 =	320	
					UPL species	0	x 5 =	0	
			= Total Cover		Column Totals:	80	(A)	320	(
	50% of total cover:		20% of total cover:						
Shrub Stratum (Plot size:	30 ft.)				Prevalenc	e Index = B/A =		4.00	
None Observed					Destroyled Nove	tation in Books			
					Hydrophytic Vege				
						Test for Hydropl		etation	
						ance Test is >50			
·						ence Index is ≤ 3		1	
•					Problemat	ic Hydrophytic \	/egetatio	nˈ (Explain)	
			= Total Cover						
			20% of total cover:		¹ Indicators of hydr		-	٠,	
Herb Stratum (Plot size:	30 π.)			E4011	be present, unless	-		•	
		80	Yes	FACU	Definitions of Five	-			
					Tree - Woody plan	-	-		
					approximately 20 ft	, ,	-		
					(7.6 cm) or larger in	n diameter at bre	east heig	ht (DBH).	
•					Cauling Mander				
-					Sapling - Woody p	iants, excluding	-		
						(C m) or more i		and lace	
					approximately 20 ft	, ,	n height	and less	
					approximately 20 ft than 3 in. (7.6 cm)	, ,	n height	and less	
					than 3 in. (7.6 cm)	DBH.	_		
					than 3 in. (7.6 cm) Shrub - Woody pla	DBH.	voody vir	nes,	
					than 3 in. (7.6 cm)	DBH.	voody vir	nes,	
		80	= Total Cover		than 3 in. (7.6 cm) Shrub - Woody pla approximately 3 to	DBH. Ints, excluding v 20 ft (1 to 6 m) i	voody vir n height.	nes,	
			= Total Cover 20% of total cover:	16	than 3 in. (7.6 cm) Shrub - Woody pla approximately 3 to Herb - All herbaced	DBH. Ints, excluding v 20 ft (1 to 6 m) i	voody vir n height.) plants,	nes, including	
	50% of total cover:			16	than 3 in. (7.6 cm) Shrub - Woody pla approximately 3 to Herb - All herbaced herbaceous vines,	DBH. ints, excluding v 20 ft (1 to 6 m) i ous (non-woody regardless of siz	voody vir n height.) plants, ze, <u>and</u> v	nes, including voody	
Voody Vine Stratum (Plot size:	50% of total cover:			16	than 3 in. (7.6 cm) Shrub - Woody pla approximately 3 to Herb - All herbaced	DBH. ints, excluding v 20 ft (1 to 6 m) i ous (non-woody regardless of siz	voody vir n height.) plants, ze, <u>and</u> v	nes, including voody	
Voody Vine Stratum (Plot size:	50% of total cover: 30 ft)			16	than 3 in. (7.6 cm) Shrub - Woody pla approximately 3 to Herb - All herbaced herbaceous vines,	DBH. ints, excluding v 20 ft (1 to 6 m) i ous (non-woody regardless of siz	voody vir n height.) plants, ze, <u>and</u> v	nes, including voody	
Voody Vine Stratum (Plot size: None Observed	50% of total cover:				than 3 in. (7.6 cm) Shrub - Woody pla approximately 3 to Herb - All herbaced herbaceous vines, plants, except wood	DBH. ints, excluding v 20 ft (1 to 6 m) i ous (non-woody regardless of siz	voody vir n height.) plants, ze, <u>and</u> v	nes, including voody	
Voody Vine Stratum (Plot size: None Observed	50% of total cover: 30_ft)			16	than 3 in. (7.6 cm) Shrub - Woody pla approximately 3 to Herb - All herbaced herbaceous vines, plants, except wood	DBH. onts, excluding v onts, excluding v onts (1 to 6 m) i onts (non-woody) regardless of siz dy vines, less th	voody vir n height.) plants, ze, <u>and</u> v an appro	nes, including voody vximately	
Voody Vine Stratum (Plot size: None Observed	50% of total cover: 30_ft)	40	20% of total cover:	16	than 3 in. (7.6 cm) Shrub - Woody pla approximately 3 to Herb - All herbaced herbaceous vines, plants, except wood 3 ft (1 m) in height. Woody vine - All w	DBH. onts, excluding v onts, excluding v onts (1 to 6 m) i onts (non-woody) regardless of siz dy vines, less th	voody vir n height.) plants, ze, <u>and</u> v an appro	nes, including voody vximately	
Noody Vine Stratum (Plot size: None Observed	50% of total cover: 30 ft.)	40	20% of total cover:		than 3 in. (7.6 cm) Shrub - Woody pla approximately 3 to Herb - All herbaced herbaceous vines, plants, except wood 3 ft (1 m) in height. Woody vine - All where the state of the state o	DBH. onts, excluding v onts, excluding v onts (1 to 6 m) i onts (non-woody) regardless of siz dy vines, less th	voody vir n height.) plants, ze, <u>and</u> v an appro	nes, including voody vximately	
Voody Vine Stratum (Plot size: None Observed	50% of total cover: 30_ft)	40	20% of total cover:		than 3 in. (7.6 cm) Shrub - Woody pla approximately 3 to Herb - All herbaced herbaceous vines, plants, except wood 3 ft (1 m) in height. Woody vine - All where the state of the state o	DBH. onts, excluding was 20 ft (1 to 6 m) in the course of the course o	voody vir n height.) plants, ze, <u>and</u> v an appro	nes, including voody oximately of height.	
Voody Vine Stratum (Plot size: None Observed	50% of total cover: 30 ft.)	40	20% of total cover:		than 3 in. (7.6 cm) Shrub - Woody pla approximately 3 to Herb - All herbaced herbaceous vines, plants, except wood 3 ft (1 m) in height. Woody vine - All where the state of the state o	DBH. onts, excluding v onts, excluding v onts (1 to 6 m) i onts (non-woody) regardless of siz dy vines, less th	voody vir n height.) plants, ze, <u>and</u> v an appro	nes, including voody oximately of height.	

Sampling Point:	SL7
Sampling Full.	JL/

nches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks 10-16 10YR 4/2 90 7.5YR 5/8 10 C M Clay Tolor Color (moist) 6 C M Clay Tolor Color (moist) 7.5YR 5/8 10 C M Clay Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 2-Location: PL=Pore Lining, M=Matrix. Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils 1: 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR O) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Peidmont Floodplain Soils (F19) (LRR P, S, Straffied Layers (A5) X Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, S) Organic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F6) (MLRA 150A) Muck Presence (A8) (LRR P, T, U) Redox Dark Surface (F10) (LRR U) (MIRA 1510) Thick Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) (MIRA 151) Thick Dark Surface (A12) [Depleted Ochric (F11) (MLRA 151) (MIRA 151) (MIRA 150A) (MIRA 150A) (MIRA 150A) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MIRA 150A) (M	epth	Matrix			Redox F	eatures				
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. PL=Pore Lining, M=Matrix. Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Polyvalue Below Surface (S9) (LRR S, T, U) 1 m Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A9) (LRR O) Black Histic (A3) Loarny Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A) Hydrogen Suffide (A4) Loarny 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, Stratified Layers (A5) X Depleted Matrix (F3) Anomalous Bright Loarny Soils (F20) Muck Presence (A8) (LRR P, T, U) Depleted Dark Surface (F7) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) Depleted Bolow Dark Surface (A11) Depleted Dark Surface (F7) Nuck (A9) (LRR P, T, U) Depleted Dark Surface (F7) Nuck (A9) (LRR P, T, U) Depleted Dark Surface (F10) (LRR V) Nuck (A9) (LRR P, T, U) Depleted Dark Surface (F10) (LRR V) Nuck (A9) (LRR P, T, U) Nuck (A9) (LRR P, T, U) Depleted Dark Surface (F10) (LRR V) Nuck (A9) (LRR P, T, U) Nuck (A9) (LRR P, T, T, U) Nuck (nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
Notice Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	0-16	10YR 4/2	90	7.5YR 5/8	10	С	M	Clay		
Notice Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)										
Notice Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)										
Notice Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)										
Notice Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)										
Notice Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)										
Notice Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)										
Histosol (A1)		•					² Location: Pl			
Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Auck Presence (A8) (LRR P, T, U) Depleted Dark Surface (F7) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Subject Matrix (F3) Anomalous Bright Loamy Soils (F20) Muck Presence (A8) (LRR P, T, U) Depleted Dark Surface (F7) Marl (F10) (LRR U) Depleted Delow Dark Surface (A11) Thick Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Reduced Vertic (F18) (MLRA 150A) Sandy Redox (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Returnally Mucky Mineral (S1) (LRR P, S, T, U) Hydric Soil Present? Yes X No Reduced Vertic (F16) (MLRA 150A) Sandy Redox (S5) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	•		icable to all	•		•	DD 0 T II)		•	
Black Histic (A3) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Striped Matrix (F3) Sandy Redox (S5) Sandy Redox (S5) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Striped Matrix (S4) Dark Surface (S7) (LRR P, S, T, U) Depteted Dark Surface (S7) (LRR P, T, U) Depteted Dark Surface (F12) (LRR O, P, T) Depteted Dark Surface (F12) (LRR O, P, T) Depteted Below Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Redox Depressions (F8) Wery Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (Explain in Remarks) Jefta Ochric (F11) (MLRA 151) Float Cast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Reduced Vertic (F18) (MLRA 150A) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No		` ,				· , •			•	
Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T) Depleted Below Dark Surface (F6) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Estrictive Layer (if observed): Type: Depth (inches): Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, Anomalous Bright Loamy Soils (F20) (MLRA 153B) Red Parent Material (TF2) Wery Shallow Dark Surface (TF12) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Despleted Below Dark Surface (B12) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Hydric Soil Present? Yes X No Piedmont Floodplain Soils (F19) (MLRA 149A) Hydric Soil Present? Yes X No							· -			
Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Fresence (A8) (LRR P, T) Depleted Dark Surface (F6) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Anomalous Bright Loamy Soils (F20) (MLRA 153B) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Depleted Dorric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No Anomalous Bright Loamy Soils (F20) MLRA 153B) Anomalous Bright Loamy Soils (F20)					-		(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) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Wetland Hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Sardy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 150A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No		, ,			•					
S cm Mucky Mineral (A7) (LRR P, T, U)		, ,	D T II)			•			ght Loamy Soils (F20)	
Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Stestrictive Layer (if observed): Type: Depth (inches): Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Jepleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Jepleted Ochric (F13) (LRR P, T, U) Umbric Surface (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Destrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No									t (TEO)	
1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Delta Ochric (F18) (MLRA 150A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Destrictive Layer (if observed): Type: Depth (inches): Demarks:		• • • • • • • • • • • • • • • • • • • •				` '			, ,	
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Delta Ochric (F17) (MLRA 150B) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Type: Depth (inches): Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) January Manganese Masses (F12) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Methods Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No					•	. ,			` ,	
Thick Dark Surface (A12)		. ,			, -	-	54)	Other (Explain	in Remarks)	
Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Delta Ochric (F13) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Method Nucky Mineral (S1) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Method Nucky Mineral (S1) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Method Nucky Mineral (S1) (LRR P, T, U) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Restrictive Layer (if observed): Type: Depth (inches): Depth (inches): Hydric Soil Present? Yes X No			Ce (ATT)		•	, .	•	³ Indicators o	f hydronhytic vegetation and	
Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Hydric Soil Present? Yes X No					•	, , ,		, , , ,		
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) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No		, ,	=				, 0,	unless distur	bed or problematic.	
Sandy Redox (S5)			(LIXIX 0, 0)				0A 150B)			
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: Depth (inches): Hydric Soil Present? Yes X No		, ,								
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No Remarks:		• •			•		-	Δ 153C 153D)		
Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No Remarks:		, ,	S T U)		alous brigin	Loanly Golls (1	20) (WENA 148	A, 1330, 133 <i>D</i>)		
Type: Hydric Soil Present? Yes X No Semarks:		(aass (a.) (a ,	c, ., c,							
Depth (inches): Hydric Soil Present? Yes X No	estrictive	Layer (if observed)	:							
Depth (inches): Hydric Soil Present? Yes X No	Type:									
lemarks:							Hydric	Soil Present? Yes	X No	
		,						•		
positive indication of hydric soil was observed.	emarks:						•			
positive indication of hydric soil was observed.										
	positive in	ndication of hydric so	il was observ	/ed.						

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 10, 2018
Applicant/Owner:	Baton Rouge Area Chamber	Stat	te: Louisia	na Sample Point:	SL8
Investigator(s): O.	Barry and B. McNabb	Section, Township	p, Range: <u>Sec</u>	ction 58, Township 10 So	uth, Range 14 East
Landform (hillslope, terrace, etc.	•		ave, convex, none):		
Subregion (LRR or MLRA):	LRR O		62369° Long:		tum: NAD 83
Soil Map Unit Name:	Thibaut clay, 0 to 1 perc		•	l Classification: o, explain in Remarks.)	None
, ,	ions on the site typical for this time of year? Soil No ,or Hydrology No sign			stances" present? Yes	X No
Are Vegetation No		turally problematic?		d, explain any answers in	
	IGS - Attach site map showing		•	•	,
SOMMAN OF FINDIN	105 - Attach site map showing	Samping poin	it locations, tra	msects, important	reatures, etc.
Hydrophytic Vegetation Prese		_			
Hydric Soil Present?	Yes X No	Is the Samp			
Wetland Hydrology Present?	Yes <u>X</u> No	within a We	tland?	Yes X No	
Remarks:					
Nemarks.					
This point was determined	d to be within a wetland due to the presence	e of all 3 wetland crite	ria.		
HYDROLOGY					
Wetland hydrology India	cators:		Seco	ondary Indicators (minimu	m of two required)
Primary Indicators (minim	um of one is required; check all that apply)			Surface Soil Cracks (Be	
Surface Water (A1)	Aquatic Fau	ına (B13)		Sparsely Vegetated Co	ncave Surface (B8)
High Water Table (A2) Marl Deposi	its (B15) (LRR U)		Drainage Patterns (B10	1)
Saturation (A3)	Hydrogen S	ulfide Odor (C1)		Moss Trim Lines (B16)	
Water Marks (B1)	X Oxidized Rh	nizospheres on Living	Roots(C3)	Dry-Season Water Tab	le (C2)
Sediment Deposits	(B2) Presence of	Reduced Iron (C4)	<u>X</u>	Crayfish Burrows (C8)	
Drift Deposits (B3)	Recent Iron	Reduction in Tilled S	oils (C6)	Saturation Visible on A	erial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck S	Surface (C7)		Geomorphic Position (D	02)
Iron Deposits (B5)		ain in Remarks)		Shallow Aquitard (D3)	
	on Aerial Imagery (B7)		<u>X</u>	FAC-Neutral Test (D5)	
Water-Stained Leav	ves (B9)			Sphagnum moss (D8) (LRR T, U)
Field Observations			Τ		
Field Observations: Surface Water Present?	Yes No X Depth (inc	ches): N/A			
	Yes No X Depth (inc Yes No X Depth (inc	· ——			
	Yes No X Depth (inc	· 	Wetland Hydrolog	w Present? Ves	Y No
(includes capillary fringe)	res No Deput (inc	20 Zines).	Wetland Hydrolog	jy i resent: res	<u> </u>
Describe Recorded Data	(stream gauge, monitoring well, aerial photo	os, previous inspection	ns), if available:		
	,gg,g, p	-, -,	,,		
Remarks:					
A positive indication of we	etland hydrology was observed (at least one	primary indicator).			
A positive indication of we	etland hydrology was observed (at least two	secondary indicators).		

		Absolute	Dominant	Indicator	Dominance Test w	orksheet:		
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominan	t Species		
1 Quaraus tayana		40	Yes	FACW	That Are OBL, FAC		6	(A)
2.						-		, ,
3.			· <u>······</u> ·		Total Number of Do	minant		
4.					Species Across All S	Strata:	6	(B)
5.						-		` '
6.			· <u> </u>		Percent of Dominan	t Species		
·		40	= Total Cover		That Are OBL, FAC	W, or FAC:	100%	(A/B)
	50% of total cover:	20	20% of total cover:	8		<u>-</u>		
Sapling Stratum (Plot size:	30 ft.)				Prevalence Index \	Vorksheet:		
1. Salix nigra		30	Yes	OBL	Total % C	over of:	Multiply by	<u> </u>
2. Liquidambar styraciflua		10	Yes	FAC	OBL species	30	x 1 = 30	
3. Quercus texana		10	Yes	FACW	FACW species	140	x 2 = 280	
4					FAC species	30	x 3 = 90	
5					FACU species	0	x 4 = 0	
6					UPL species	0	x 5 = 0	
		50	= Total Cover		Column Totals:	200	(A) 400	(B)
	50% of total cover:	25	20% of total cover:	10				
Shrub Stratum (Plot size:	30 ft.)				Prevalence	Index = B/A =	2.00	
1. Baccharis halimifolia		10	Yes	FAC				
2					Hydrophytic Veget	ation Indicate	ors:	
3					1 - Rapid T	est for Hydrop	hytic Vegetation	
4					X 2 - Domina			
5					X 3 - Prevale	nce Index is ≤	3.0 ¹	
6					Problemati	c Hydrophytic \	∕egetation ¹ (Explain)
		10	= Total Cover					
	50% of total cover:	5	20% of total cover:	2	¹ Indicators of hydri	c soil and wetl	and hydrology must	
Herb Stratum (Plot size:	30 ft.)				be present, unless of	listurbed or pro	blematic.	
Solidago sempervirens		90	Yes	FACW	Definitions of Five	Vegetation S	trata:	
2. Rubus argutus		10	No	FAC	Tree - Woody plant	s, excluding w	oody vines,	
3					approximately 20 ft	(6m) or more in	n height and 3 in.	
4					(7.6 cm) or larger in	diameter at br	east height (DBH).	
5								
6			·		Sapling - Woody pl	-	· -	
7					approximately 20 ft		n height and less	
8					than 3 in. (7.6 cm) [BH.		
9								
10					Shrub - Woody plan		•	
11					approximately 3 to 2	!0 ft (1 to 6 m)	in height.	
		100	= Total Cover					
	50% of total cover:	50	20% of total cover:	20	Herb - All herbaceo	` .	, .	
Woody Vine Stratum (Plot size:	30 ft)				herbaceous vines, r	-		
1. None Observed					plants, except wood	y vines, less th	an approximately	
2					3 ft (1 m) in height.			
3								
4			·		Woody vine - All w	oody vines, reg	gardless of height.	
5								
			= Total Cover		Hydrophytic			
	50% of total cover:		20% of total cover:		Vegetation			
					Present?	'es <u>X</u>	No	
Remarks: (if observed, list me	orphological adaptat	ions below).					ļ
A positive indication of hydrop	hytic vegetation was	observed	(>50% of dominant	species index	xed as OBL, FACW, or F	FAC).		

rofile Desc	ription: (Describe	to the depth i	needed to docu			onfirm the abse	ence of indicators.)	
epth	Matrix			Redox F	eatures			
nches)	Color (moist)	<u>%</u> C	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/1	85	7.5YR 5/8	15	С	M/PL	Clay	
							·	
Гуре: С=Со	ncentration, D=Dep	oletion, RM=Re	duced Matrix, M	1S=Masked	Sand Grains.	² Location: PL	_=Pore Lining, M=Mati	ix.
lydric Soils	Indicators: (Appli	icable to all LI	RRs, unless ot	herwise no	ted.)		Indicators for Prob	lematic Hydric Soils ³ :
Histosol	(A1)		Polyval	lue Below S	urface (S8) (L	.RR S. T. U)	1 cm Muck (A9) (LRR O)
	pipedon (A2)				(S9) (LRR S,	· · · · · · · ·	2 cm Muck (A1	, ,
						· •		
	istic (A3)			-	eral (F1) (LRR	(0)		(F18) (outside MLRA 150A ,
Hydroge	en Sulfide (A4)		Loamy	Gleyed Ma	trix (F2)		Piedmont Floor	dplain Soils (F19) (LRR P, S, 1
Stratified	d Layers (A5)		X Deplete	ed Matrix (F	3)		Anomalous Bri	ght Loamy Soils (F20)
 Organic	Bodies (A6) (LRR F	P, T, U)	Redox	Dark Surfa	ce (F6)		(MLRA 153B)	
	ucky Mineral (A7) (L			ed Dark Sui	, ,		Red Parent Ma	terial (TF2)
		· · · · · ·			` '			` '
	resence (A8) (LRR I	-		Depression				Park Surface (TF12)
1 cm Mu	ıck (A9) (LRR P, T)		Marl (F	10) (LRR L))		Other (Explain	in Remarks)
Depleted	d Below Dark Surfac	ce (A11)	Deplete	ed Ochric (F	11) (MLRA 1	51)		
Thick Da	ark Surface (A12)		Iron-Ma	anganese M	lasses (F12)	(LRR O, P, T)	³ Indicators o	f hydrophytic vegetation and
Coast P	rairie Redox (A16) ((MLRA 150A)	Umbric	Surface (F	13) (LRR P, T	. U)		ology must be present,
	/lucky Mineral (S1) (-		•	(MLRA 151)	, -,	unless distur	bed or problematic.
		(LIXIX O, O)		` '		04 4500)		
	Gleyed Matrix (S4)				18) (MLRA 15			
Sandy R	Redox (S5)		Piedmo	ont Floodpla	in Soils (F19)	(MLRA 149A)		
Stripped	l Matrix (S6)		Anoma	lous Bright	Loamy Soils (I	F20) (MLRA 149	A, 153C, 153D)	
Dark Su	rface (S7) (LRR P,	S, T, U)						
estrictive L	ayer (if observed):	:						
Type:								
						Hydria	Sail Procent? Voc	X No
Depth (inc						пушть	Son Fresent? Tes	NO
emarks:								
positive ind	lication of hydric soil	l was observed	l.					
•	,							

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 11, 2018
Applicant/Owner:	Baton Rouge Area Chamber	St	ate: Louisia	ana Sample Point:	SL9
• (,	Barry and B. McNab			ction 71, Township 10 So	uth, Range 14 East
Landform (hillslope, terrace, etc	· · · · · · · · · · · · · · · · · · ·		cave, convex, none):		. —
Subregion (LRR or MLRA):	LRR O		160982° Long:		tum: NAD 83
Soil Map Unit Name:	Commerce silt			I Classification: o, explain in Remarks.)	PFO1A
Are Vegetation No ,	ons on the site typical for this time of ye Soil No ,or Hydrology No			nstances" present? Yes	X No
Are Vegetation No ,		naturally problematic?		d, explain any answers in	
<u></u> ,	GS - Attach site map show	-	`	•	,
JOININANT OF FINDIN	33 - Attach site map show	ing sampling por			reatures, etc.
Hydrophytic Vegetation Prese					
Hydric Soil Present?	Yes X No		•		
Wetland Hydrology Present?	Yes <u>X</u> No	within a W	etland?	Yes X No	
Remarks:					
Remarks:					
This point was determined	to be within a wetland due to the prese	ence of all 3 wetland crit	eria.		
HYDROLOGY					
Wetland hydrology Indic	ators:		Sec	ondary Indicators (minimu	m of two required)
Primary Indicators (minimu	ım of one is required; check all that app	oly)		Surface Soil Cracks (B6	
Surface Water (A1)		Fauna (B13)		Sparsely Vegetated Co	•
High Water Table (A		posits (B15) (LRR U)		Drainage Patterns (B10	` '
Saturation (A3)		en Sulfide Odor (C1)		Moss Trim Lines (B16)	
Water Marks (B1)	Oxidize	d Rhizospheres on Livin	g Roots(C3)	Dry-Season Water Tab	le (C2)
Sediment Deposits	(B2) Presend	ce of Reduced Iron (C4)		Crayfish Burrows (C8)	
Drift Deposits (B3)	Recent	Iron Reduction in Tilled	Soils (C6)	Saturation Visible on A	erial Imagery (C9)
Algal Mat or Crust (I	34) Thin Mu	ıck Surface (C7)		Geomorphic Position (D	02)
Iron Deposits (B5)	Other (E	Explain in Remarks)		Shallow Aquitard (D3)	
Inundation Visible o	n Aerial Imagery (B7)		X	FAC-Neutral Test (D5)	
X Water-Stained Leav	res (B9)			Sphagnum moss (D8) (LRR T, U)
F11161 //			-		
Field Observations:	/a- Na V Danith	(inches). N/A			
		(inches): N/A >20			
		` '	Wetland Hydrolog	ru Brocont? Voc	V No
(includes capillary fringe)	es No X Depth	(inches): >20	wettand riyurolog	gy Fresent? Tes	<u> </u>
	stream gauge, monitoring well, aerial p	hotos previous inspecti	ons) if available:		
Describe Recorded Bata (Stream gauge, mornioring wen, aenar p	notos, previous inspecti	ons), ii avallabic.		
Remarks:					
A positive indication of we	tland hydrology was observed (at least	one primary indicator).			

Sampling Point:	SL9
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		Absolute	Dominant	Indicator	Dominance Test w	orksheet:		
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominar	nt Species		
Quercus nigra		50	Yes	FAC	That Are OBL, FAC	•	9	(A)
Celtis laevigata		30	Yes	FACW	, ,	_		()
Liquidambar styraciflua		10	No	FAC	Total Number of Do	minant		
4.					Species Across All		9	(B)
5.		-				_		(-)
6.			, <u> </u>		Percent of Dominan	t Species		
	 _	90	= Total Cover		That Are OBL, FAC	•	100%	(A/B)
	50% of total cover:		20% of total cover:	18	matrio obe, into		10070	(,,,,
Sapling Stratum (Plot size:	30 ft.)		2070 01 total 00 01.		Prevalence Index \	Worksheet:		
1. Acer negundo		10	Yes	FAC	Total % C	over of	Multiply by:	
Ulmus americana		10	Yes	FAC	OBL species	0	x 1 = 0	_
3. Acer rubrum	 -	10	Yes	FAC	FACW species	55	x 2 = 110	
4.			103	1710	FAC species	120	x 3 = 360	
-					FACU species	0	x 4 = 0	
-								
6			- Total Cause		UPL species _	0	x 5 = 0	(D)
	500/ 6/ /		= Total Cover	0	Column Totals: _	175	(A) <u>470</u>	(B)
	50% of total cover:	15	20% of total cover:	6				
Shrub Stratum (Plot size:	30 ft.)				Prevalence	Index = B/A =	2.69	
1. Sabal minor		10	Yes	FACW				
2					Hydrophytic Veget			
3					1 - Rapid T	est for Hydroph	ytic Vegetation	
4						ince Test is >50°		
5			. <u> </u>		X 3 - Prevale	nce Index is ≤ 3	.0 ¹	
6			. <u> </u>		Problemati	c Hydrophytic Ve	egetation ¹ (Explain)	
		10	= Total Cover					
	50% of total cover:	5	20% of total cover:	2	¹ Indicators of hydri	c soil and wetlar	nd hydrology must	
Herb Stratum (Plot size:	30 ft.)				be present, unless of	disturbed or prob	olematic.	
1. Acer negundo		20	Yes	FAC	Definitions of Five	Vegetation Str	ata:	
2. Arisaema triphyllum		10	Yes	FACW	Tree - Woody plant	ts, excluding wo	ody vines,	
3. Rubus argutus		10	Yes	FAC	approximately 20 ft	(6m) or more in	height and 3 in.	
4. Carex vulpinoidea		5	No	FACW	(7.6 cm) or larger in		-	
5.					(**************************************		g (= = - · /-	
6.					Sapling - Woody pl	ants, excluding	woody vines,	
7.					approximately 20 ft	-		
0					than 3 in. (7.6 cm) [J	
· ·					,			
9					Shrub - Woody plan	nts excluding w	nody vines	
10					approximately 3 to 2	, 0		
11		45			approximatory o to 2	-0 11 (1 10 0 111) 11	i noight.	
			= Total Cover	_	Herb - All herbaceo	us (non woody)	planta including	
	•	22.5	20% of total cover:	9	herbaceous vines, r	,		
Woody Vine Stratum (Plot size:	30 ft)					-		
1. None Observed					plants, except wood	iy viries, iess tria	іп арргохіпалету	
2					3 ft (1 m) in height.			
3			,					
4			. <u> </u>		Woody vine - All w	oody vines, rega	ardless of height.	
5			. <u> </u>					
			= Total Cover		Hydrophytic			
	50% of total cover:		20% of total cover:		Vegetation			
					Present?	res X I	No	
Remarks: (if observed, list me	orphological adaptati	ons below).					
A			/> F00/ -f -l		vad as ODL FACW as I	TAC)		

Depth	Matrix			Redox F	eatures					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-5	10YR 2/2	100	None				Clay loam			
5-16	10YR 4/2	90	10YR 5/8	10	С	M	Clay			
										
Type: C=C	concentration, D=De	pletion, RM	I=Reduced Matrix, M	S=Maske	d Sand Grains.	² Location: PI	 _=Pore Lining, M=Matrix			
			all LRRs, unless ot				Indicators for Proble			
Histoso	ol (A1)		Polyval	ue Below	Surface (S8) (L	RR S, T, U)	1 cm Muck (A9)	(LRR O)		
Histic Epipedon (A2)			Thin Da	ark Surface	e (S9) (LRR S,	T, U)	2 cm Muck (A10)	(LRR S)		
Black Histic (A3)			Loamy	Mucky Mir	neral (F1) (LRR	O)	Reduced Vertic (F18) (outside MLRA 150A,B)			
Hydrogen Sulfide (A4)			Loamy	Loamy Gleyed Matrix (F2)				Piedmont Floodplain Soils (F19) (LRR P, S, T)		
Stratified Layers (A5)			X Deplete	X Depleted Matrix (F3)				Anomalous Bright Loamy Soils (F20)		
Organi	c Bodies (A6) (LRR	P, T, U)	Redox	Redox Dark Surface (F6)				(MLRA 153B)		
5 cm M	lucky Mineral (A7) (I	LRR P, T,	J) Deplete	Depleted Dark Surface (F7)				Red Parent Material (TF2)		
	Presence (A8) (LRR	-	Redox	Depressio	ns (F8)		Very Shallow Da	rk Surface (TF12)		
1 cm M	luck (A9) (LRR P, T)	Marl (F	10) (LRR	U)		Other (Explain in	Remarks)		
Deplete	ed Below Dark Surfa	ce (A11)	Deplete	ed Ochric (F11) (MLRA 1	51)	2			
Thick [Dark Surface (A12)		Iron-Ma	inganese l	Masses (F12)	LRR O, P, T)		nydrophytic vegetation and		
Coast	Prairie Redox (A16)	(MLRA 15	0A) Umbric	Umbric Surface (F13) (LRR P, T, U)				wetland hydrology must be present, unless disturbed or problematic.		
	Mucky Mineral (S1)	(LRR O, S) Delta C	chric (F17	') (MLRA 151)		umood distant	ou or problemation		
Sandy	Gleyed Matrix (S4)		Reduce	ed Vertic (F	=18) (MLRA 15	0A, 150B)				
Sandy	Redox (S5)			•	ain Soils (F19)	•				
Strippe	ed Matrix (S6)		Anoma	lous Brigh	t Loamy Soils (I	F20) (MLRA 149	A, 153C, 153D)			
Dark S	urface (S7) (LRR P ,	S, T, U)								
Restrictive	Layer (if observed)):								
Type:										
Depth (ir	nches):					Hydric	Soil Present? Yes _	X No		
Remarks:										

Project/Site:	Noel Site	Par	rish:	Ascension	Sampling I	Date: May 11, 2018
Applicant/Owner:	Baton Rouge Area C	hamber	State	e: <u>L</u>	ouisiana Sample P	oint: SL10
Investigator(s): O. E	Barry and <u>B</u> .	. McNabb Sec	ction, Township	, Range:	Section 71, Towns	hip 10 South, Range 14 East
Landform (hillslope, terrace, etc.	. —	Loc			ne): January 0, 1900	
Subregion (LRR or MLRA):	LRR O				ong: <u>-91.055176</u>	
Soil Map Unit Name:	Sharkey clay, 0 to 1 pe		iy fiooded, soutr 'es / No)	Yes	NWI Classification: (if no, explain in Ren	
Are climatic / hydrologic condition Are Vegetation No ,S	Soil No ,or Hydrology	•	· · ·		_(ii no, explain ii iteli ?ircumstances" preser	·
Are Vegetation No ,S			-		eeded, explain any ar	
SUMMARY OF FINDING				,		•
SOMMAN OF FINDING	55 - Attach Site map	Silowing Sain	ipinig poni	liocations	, transects, mi	Mitalit leatures, etc.
Hydrophytic Vegetation Presen		No				
Hydric Soil Present?	-	No X	Is the Sampl		Vaa	No. V
Wetland Hydrology Present?	Yes	No <u>X</u>	within a Wet	iand?	Yes	No <u>X</u>
Remarks:						
This point was determined	not to be within a wetland due	to the lack of hydr	ic soils and wet	land hydrology		
HYDROLOGY						
Wetland hydrology Indica	ators:				Secondary Indicators	s (minimum of two required)
Primary Indicators (minimu	m of one is required; check all	that apply)			Surface Soil C	
Surface Water (A1)		Aquatic Fauna (B1	13)			etated Concave Surface (B8)
High Water Table (A	2)	Marl Deposits (B15	5) (LRR U)		Drainage Patt	erns (B10)
Saturation (A3)	<u> </u>	Hydrogen Sulfide (Odor (C1)		Moss Trim Lin	ies (B16)
Water Marks (B1)		Oxidized Rhizosph	neres on Living	Roots(C3)	Dry-Season W	Vater Table (C2)
Sediment Deposits (B2)	Presence of Reduc	ced Iron (C4)		Crayfish Burro	ows (C8)
Drift Deposits (B3)		Recent Iron Reduc	ction in Tilled So	oils (C6)	Saturation Vis	sible on Aerial Imagery (C9)
Algal Mat or Crust (E		Thin Muck Surface	e (C7)		Geomorphic F	Position (D2)
Iron Deposits (B5)		Other (Explain in F	Remarks)		Shallow Aquit	ard (D3)
Inundation Visible on	, ,				X FAC-Neutral	rest (D5)
Water-Stained Leave	es (B9)				Sphagnum mo	oss (D8) (LRR T, U)
Field Observations:						
	oo No V	Donth (inches):	N/A			
	es No X	Depth (inches): Depth (inches):	N/A >20			
	es No X	Depth (inches):	>20	Wetland Hyd	Irology Present?	Vos No Y
(includes capillary fringe)	NO X	Deptir (inches).		Welland Hyd	irology i resent:	iesiioX
Describe Recorded Data (s	stream gauge, monitoring well,	aerial photos, prev	vious inspection	s), if available:		
200020 1.00020 2 (0	aream gaage, memering men,	aona pilotoo, pio		o), a. aa		
Remarks:						
No positive indication of we	etland hydrology was observed	1 .				

Sampling Point:	SL10
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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. Celtis laevigata		50	Yes	FACW			, ,
3.			<u> </u>		Total Number of Dominant		
4.			· 		Species Across All Strata:	6	(B)
5.							
6.					Percent of Dominant Species		
_		100	= Total Cover		That Are OBL, FACW, or FAC:	83%	(A/B)
	50% of total cover:	50	20% of total cover:	20			
Sapling Stratum (Plot size:	30 ft.)				Prevalence Index Worksheet:		
1. Morus rubra		15	Yes	FACU	Total % Cover of:	Multiply by:	
2					OBL species 40 x	1 = 40	
3.					FACW species 50 x 2	2 = 100	
4.					FAC species 105 x 3	3 = 315	
5.					FACU species 15 x 4	4 = 60	
6					UPL species 0 x 5	5 = 0	
		15	= Total Cover		Column Totals: 210 (A)) <u>515</u>	(B)
	50% of total cover:	7.5	20% of total cover:	3			
Shrub Stratum (Plot size:	30 ft.)				Prevalence Index = B/A =	2.45	
1. None Observed							
2					Hydrophytic Vegetation Indicators:		
3					1 - Rapid Test for Hydrophytic	: Vegetation	
4					X 2 - Dominance Test is >50%		
5.					X 3 - Prevalence Index is ≤ 3.0 ¹		
6					Problematic Hydrophytic Vege	∍tation¹ (Explain)	
			= Total Cover				
	50% of total cover:		20% of total cover:		¹ Indicators of hydric soil and wetland h	hydrology must	
Herb Stratum (Plot size:	30 ft.)				be present, unless disturbed or problem	natic.	
Thelypteris palustris		40	Yes	OBL	Definitions of Five Vegetation Strata	1 :	
2. Iva annua		40	Yes	FAC	Tree - Woody plants, excluding woody	/ vines,	
3					approximately 20 ft (6m) or more in hei	ght and 3 in.	
4					(7.6 cm) or larger in diameter at breast	height (DBH).	
5							
6					Sapling - Woody plants, excluding woo		
7					approximately 20 ft (6 m) or more in he	ignt and less	
8					than 3 in. (7.6 cm) DBH.		
9					Objects Manufacture and discount of	de contra con	
10					Shrub - Woody plants, excluding wood	• •	
11					approximately 3 to 20 ft (1 to 6 m) in he	∍ignt.	
		80	= Total Cover				
	50% of total cover:	40	20% of total cover:	16	Herb - All herbaceous (non-woody) pla		
Woody Vine Stratum (Plot size:	30 ft.)				herbaceous vines, regardless of size, a		
1. Vitis rotundifolia		15	Yes	FAC	plants, except woody vines, less than a	approximately	
2					3 ft (1 m) in height.		
3					Manada Allamada Allamada Allamada		
4					Woody vine - All woody vines, regardle	ess of neight.	
5							
			= Total Cover		Hydrophytic		
	50% of total cover:	7.5	20% of total cover:	3	Vegetation		
					Present? Yes X No		
Remarks: (if observed, list mo					ved as ODL FACIAL as FACI		

Depth	Matrix			Redox F	eatures					
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-6	10YR 3/2	100	None	_			Clay loam			
6-16	10YR 4/3	95	10YR 5/8	5	С	M	Clay			
			-							
Type: C=C	Concentration, D=Dep	oletion, RM	l=Reduced Matrix, M	S=Maske	d Sand Grains.	² Location: Pl	 _=Pore Lining, M=Matrix			
Hydric Soil	s Indicators: (Appl	icable to	all LRRs, unless oth	nerwise n	oted.)		Indicators for Proble	matic Hydric Soils ³ :		
Histoso	ol (A1)		Polyval	ue Below	Surface (S8) (L	RR S, T, U)	1 cm Muck (A9)	(LRR O)		
Histic Epipedon (A2)		Thin Da	ark Surfac	e (S9) (LRR S,	Γ, U)	2 cm Muck (A10) (LRR S)				
Black Histic (A3)		Loamy	Mucky Mir	neral (F1) (LRR	O)	Reduced Vertic (F18) (outside MLRA 150A,B				
Hydrog	gen Sulfide (A4)	n Sulfide (A4) Loamy Gleyed Matrix (F2)					Piedmont Floodplain Soils (F19) (LRR P, S, T			
Stratific	ratified Layers (A5) Depleted Matrix (F3)				Anomalous Bright Loamy Soils (F20)					
Organic Bodies (A6) (LRR P, T, U)		Redox	Dark Surfa	ace (F6)		(MLRA 153B)				
5 cm Mucky Mineral (A7) (LRR P, T, U)		J) Deplete	ed Dark Su	urface (F7)		Red Parent Material (TF2)				
Muck F	Presence (A8) (LRR	U)	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)		
Deplet	ed Below Dark Surfa	ce (A11)	Deplete	ed Ochric ((F11) (MLRA 1 5	1)				
Thick [Dark Surface (A12)		Iron-Ma	inganese	Masses (F12) (LRR O, P, T)		nydrophytic vegetation and		
Coast	Prairie Redox (A16)	(MLRA 15	0A) Umbric	Surface (F13) (LRR P, T	U)	wetland hydrology must be present, unless disturbed or problematic.			
Sandy	Mucky Mineral (S1)	(LRR O, S) Delta C	chric (F17	7) (MLRA 151)					
Sandy	Gleyed Matrix (S4)		Reduce	ed Vertic (I	F18) (MLRA 15)A, 150B)				
Sandy	Redox (S5)		Piedmo	nt Floodp	lain Soils (F19)	MLRA 149A)				
Strippe	ed Matrix (S6)		Anoma	ous Brigh	t Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)			
Dark S	Surface (S7) (LRR P,	S, T, U)								
Restrictive	Layer (if observed)):								
Type:										
Depth (ir	nches):					Hydric	Soil Present? Yes _	NoX		
Remarks:										

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 11, 2018
Applicant/Owner:	Baton Rouge Area Chamber	Sta	te: Louisia	ana Sample Point:	SL11
Investigator(s): O. Ba	rry and B. McNabb	Section, Townshi	p, Range: Se	ction 71, Township 10 So	uth, Range 14 East
Landform (hillslope, terrace, etc.):	Flat	_ Local relief (conc	ave, convex, none):	None Slope (%): 0-1
Subregion (LRR or MLRA):	LRR O	Lat: 30.1	62447° Long:	-91.057514° Da	tum: NAD 83
Soil Map Unit Name:	Sharkey clay, 0 to 1 percent slopes	s, rarely flooded, sout	thNW	I Classification:	PFO1A
Are climatic / hydrologic conditions	s on the site typical for this time of year?			o, explain in Remarks.)	
Are Vegetation No,Soi				nstances" present? Yes	
Are Vegetation No, Soi	il No ,or Hydrology No natu	urally problematic?	(If neede	d, explain any answers in	Remarks.)
SUMMARY OF FINDING	S - Attach site map showing	sampling poin	nt locations, tra	insects, important	features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes X No No Yes X No No	_ _ Is the Samp within a We		Yes X No	
·	be within a wetland due to the presence	of all 3 wetland crite	ria.		
HYDROLOGY					
Wetland hydrology Indicato	ors:		Sec	ondary Indicators (minimu	m of two required)
	of one is required; check all that apply)		X	Surface Soil Cracks (B	,
Surface Water (A1)	Aquatic Faur	` '		Sparsely Vegetated Co	, ,
High Water Table (A2)		ts (B15) (LRR U)	<u>X</u>	_))
Saturation (A3)		ulfide Odor (C1)		Moss Trim Lines (B16)	In (C2)
Water Marks (B1)		izospheres on Living	R00(S(C3)	_ Dry-Season Water Tab	ile (G2)
Sediment Deposits (B2 Drift Deposits (B3)	· —	Reduced Iron (C4) Reduction in Tilled S		 Crayfish Burrows (C8) Saturation Visible on A 	erial Imageny (CQ)
Algal Mat or Crust (B4)				Geomorphic Position (
Iron Deposits (B5)		ain in Remarks)		Shallow Aquitard (D3)	J2)
Inundation Visible on A		iii ii rtomano,	x	FAC-Neutral Test (D5)	
X Water-Stained Leaves				Sphagnum moss (D8) (LRR T. U)
	()			9	
Field Observations:					
Surface Water Present? Yes	S No X Depth (inc	hes): N/A			
Water Table Present? Yes	No X Depth (inc	hes): >20			
Saturation Present? Yes	No X Depth (inc	hes): >20	Wetland Hydrolog	gy Present? Yes	X No
(includes capillary fringe)					
Describe Recorded Data (stre	eam gauge, monitoring well, aerial photos	s, previous inspectio	ns), if available:		
Remarks:					
A positive indication of wetlar	nd hydrology was observed (at least one	primary indicator).			
A positive indication of wetlar	nd hydrology was observed (at least two	secondary indicators	s).		

	Absolute	e Dominant	Indicator	Dominance Test w	orksheet:		
<u>Tree Stratum</u> (Plot size: 30 f			Status	Number of Dominan	t Species		
1. Celtis laevigata	40	Yes	FACW	That Are OBL, FAC		9	(A)
2. Acer negundo	30	Yes	FAC		-		` ′
3. Quercus nigra	20	Yes	FAC	Total Number of Do	minant		
4. Platanus occidentalis	10	No No	FACW	Species Across All S	Strata:	9	(B)
5.		<u> </u>		·	-		
6.		<u> </u>		Percent of Dominan	t Species		
	100	= Total Cover		That Are OBL, FAC	•	100%	(A/B)
50%	of total cover: 50	20% of total cover:	20		_		
Sapling Stratum (Plot size: 30 f	ft.)	_		Prevalence Index V	Vorksheet:		
1. Ulmus americana	10	Yes	FAC	Total % C	over of:	Multiply	by:
2. Celtis laevigata	10	Yes	FACW	OBL species	0	x 1 =	0
3.				FACW species	90	x 2 = 1	80
4.				FAC species	65	x 3 = 1	95
5.				FACU species	0	x 4 =	0
6.		<u> </u>		UPL species	0	x 5 =	0
	20	= Total Cover		Column Totals:	155	(A) 3	75 (B)
50%	of total cover: 10	20% of total cover:	4	_		.,	` ′
Shrub Stratum (Plot size: 30 f	-	_		Prevalence	Index = B/A =	2.42	2
1. Sabal minor		Yes	FACW				
2. Ilex decidua	10	Yes	FACW	Hydrophytic Veget	ation Indicato	ors:	
3.		-		' ' '		hytic Vegetation	
4.		-		X 2 - Domina	•		
5.		-		X 3 - Prevale			
6.						√egetation¹ (Exp	lain)
	25	= Total Cover			,	9	,
50%		20% of total cover:	5	¹ Indicators of hydri	c soil and wetla	and hydrology m	ust
	ft.)	_ 20/0 0. 10141 0070		be present, unless d			
1. Arisaema triphyllum	 /	Yes	FACW	Definitions of Five			
Penstemon digitalis		Yes	FAC	Tree - Woody plant	_		
3.				approximately 20 ft (_	-	
4				(7.6 cm) or larger in		-	
5.				(7.0 om) or larger in	didifictor at bi-	odot noight (BBI	'/-
6				Sapling - Woody pla	ants, excluding	woody vines,	
7				approximately 20 ft ((6 m) or more i	n height and less	5
8.				than 3 in. (7.6 cm) D	BH.		
9.		<u> </u>		, , ,			
10.				Shrub - Woody plan	nts, excluding v	voody vines,	
11				approximately 3 to 2	0 ft (1 to 6 m)	in height.	
		= Total Cover					
50%	of total cover: 5	_ 20% of total cover:	2	Herb - All herbaceo	us (non-woody) plants, includin	g
Woody Vine Stratum (Plot size:		_ 2070 01 total 00001.		herbaceous vines, re	egardless of si	ze, <u>and</u> woody	
1. None Observed						an approximatel	v
	,			plants, except wood	y vines, less th	ian appioximatei	
				plants, except wood 3 ft (1 m) in height.	y vines, less th	ан аррголинасы	,
2		<u> </u>			y vines, less th	ан аррголіпасы	,
3				3 ft (1 m) in height.			
3							
		= Total Cover		3 ft (1 m) in height. Woody vine - All wo			
3		= Total Cover		3 ft (1 m) in height. Woody vine - All wo			
3		= Total Cover 20% of total cover:		3 ft (1 m) in height. Woody vine - All woody Hydrophytic Vegetation	oody vines, reg	pardless of heigh	
3		-		3 ft (1 m) in height. Woody vine - All woody Hydrophytic Vegetation	oody vines, reg		
3	of total cover:	_ 20% of total cover:		3 ft (1 m) in height. Woody vine - All woody Hydrophytic Vegetation	oody vines, reg	pardless of heigh	

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. To Muck (A9) (LRR Q)			Redox Featu	ires				
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Tydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	•	% Color (moist	:) %	Type ¹ Loc	c ² Texture	Remarks		
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A6) Hydrogen Sulfide MLRA 150A Hydrogen Sulfide MLRA 1	0-16 10YR 4/1	·	3 20	C N	l Clay			
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A6) Hydrogen Sulfide MLRA 150A Hydrogen Sulfide MLRA 1			<u> </u>		<u> </u>			
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A6) Hydrogen Sulfide MLRA 150A Hydrogen Sulfide MLRA 1								
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A6) Hydrogen Sulfide MLRA 150A Hydrogen Sulfide MLRA 1								
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A6) Hydrogen Sulfide MLRA 150A Hydrogen Sulfide MLRA 1								
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A6) Hydrogen Sulfide MLRA 150A Hydrogen Sulfide MLRA 1								
Hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A6) Hydrogen Sulfide MLRA 150A Hydrogen Sulfide MLRA 1	<u> </u>							
Histosol (A1)						_		
Histic Epipedon (A2) 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) Stratified Layers (A6) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) Muck Presence (A8) (LRR P, T, U) Depleted Dark Surface (F7) Redox Depressions (F8) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Thin Dark Surface (S9) (LRR S, T, U) Redox Depressions (F8) Redox Dark Surface (S9) (LRR P, S, T, U) Pieted Dark Surface (S7) Redox Dark Surface (S7) Redox Dark Surface (S7) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Jindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No						<u>-</u>		
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) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Pepleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Mucky Mineral (A7) (LRR P, T, U) Pepleted Dark Surface (F6) Muck Presence (A8) (LRR P, T, U) Pepleted Dark Surface (F7) Red Parent Material (TF2) Marl (F10) (LRR U) Pepleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 150A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No			•	. , .	· · —			
Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Sandy Redox (S5) Dark Surface (S7) (LRR P, T, U) Depleted Dark Surface (A11) Type: Depth (inches): Depth (MLRA 150A) Loamy Gleyed Matrix (F2) Med (F19) (LRR P, T) Redox Derpessions (F8) Depleted Dark Surface (F7) Redox Derpessions (F8) Ned Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hundric (•					
Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Free Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Lare Muck (A9) Anomalous Bright Loamy Soils (F20) (MLRA 153B) Red Parent Material (TF2) Merd Presence (F7) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Depleted Dorir (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Sendy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No Remarks:						, , ,		
Organic Bodies (A6) (LRR P, T, U) Standy Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Sandy Matrix (S6) Dark Surface (S7) Redox Depressions (F8) Marl (F10) (LRR U) Depleted Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Delta Ochric (F13) (LRR P, T, U) Sandy Redox (S5) Sandy Redox (S5) Sandy Redox (S5) Sandy Redox (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Redox Dark Surface (F6) MILRA 153B) Redox Dark Surface (F7) Redox Dark Surface (F7) Redox Dark Surface (F7) Redox Dark Surface (F7) Coard Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (Explain i		·		(F2)		, , , ,		
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) Wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F19) (MLRA 150A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Restrictive Layer (if observed): Type: Depth (inches): Remarks:				:		- , ,		
Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Redox Depressions (F8) Wery Shallow Dark Surface (F12) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Net Strange (F12) (LRR O, P, T) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Hydrology must be present, unless disturbed or problematic. Hydrology must be present, unless disturbed or problematic. Hydrology must be present, unless disturbed or problematics. Hydrology must be present, unless disturbed or problemat			,	*		=		
1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks: Marl (F10) (LRR U) Other (Explain in Remarks) All Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Other (Explain in Remarks) All Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematics. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematics. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematics.			•	` '		, ,		
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Jenton-Manganese Masses (F12) (LRR O, P, T) Wetland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Selection (F13) (LRR P, T, U) Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Selection (F13) (LRR P, T, U) Metland hydrology must be present, unless disturbed or problematic. Anomalous Bright Loany Soils (F19) (MLRA 149A) Anomalous Bright Loany Soils (F20) (MLRA 149A, 153C, 153D) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No			. ,	-8)		` '		
Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Restrictive Layer (if observed): Type: Depth (inches): Type: Depth (inches): Iron-Manganese Masses (F12) (LRR O, P, T) John Manganese Masses (F12) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Pelus disturbed or problematic. Hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Hydrology must be present, unless disturbed or problematic.			. , . ,	(MI DA 454)	Other (Expl	ain in Remarks)		
Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (F13) (LRR P, T, U) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Restrictive Layer (if observed): Type: Depth (inches): Depth (inches): Hydric Soil Present? Yes X No	 '	` '		-	D T) 3Indicator	es of hydrophytic vogotation and		
Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Depth (inches): Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Hydric Soil Present? Yes X No			-	, , ,				
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Temarks: Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Hydric Soil Present? Yes X No			, ,			, ,		
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No		· · · —	, , ,	•	D)			
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Park Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No Remarks:			, ,	•	•			
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No Remarks:			•	, , ,	•			
Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No Remarks:	` ` ` ` ` ` ` `		ornalous Brigint Loa	111y 30lis (1 20) (WL	INA 149A, 133C, 133D)			
Type: Depth (inches): Hydric Soil Present? YesXNo Remarks:	Bank Sanass (S7) (ERR 1, S	, 1, 0,						
Depth (inches): Hydric Soil Present? Yes X No No	Restrictive Layer (if observed):							
Depth (inches): Hydric Soil Present? Yes X No No	Type:							
Remarks:			_		Hydric Soil Present? Y	es X No		
	. ,		_		•	· · · · · · · · · · · · · · · · · · ·		
A positive indication of hydric soil was observed.	Remarks:			•				
A positive indication of hydric soil was observed.								
	A positive indication of hydric soil v	vas observed.						
	A positive indication of hydric soil v	vas observed.						
	A positive indication of hydric soil v	vas observed.						
	A positive indication of hydric soil v	was observed.						
	A positive indication of hydric soil v	vas observed.						
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	A positive indication of hydric soil v	vas observed.						
	A positive indication of hydric soil v	vas observed.						
	A positive indication of hydric soil v	vas observed.						

Project/Site:	Noel Site	Pa	arish:	Ascension	Sampling l	Date: May 11, 2018
Applicant/Owner:	Baton Rouge Area (Chamber	State	e: <u>Lo</u>	ouisiana Sample P	Point: SL12
Investigator(s): O. I	Barry and B	. McNabb Se	ection, Township	, Range:	Section 71, Towns	hip 10 South, Range 14 East
Landform (hillslope, terrace, etc.		Lo	ocal relief (conca			
Subregion (LRR or MLRA):	LRR O				ng: <u>-91.057080</u>	
Soil Map Unit Name:	Sharkey clay, 0 to 1 p	•	ely flooded, souti Yes / No)	Yes	NWI Classification: (if no, explain in Rer	
Are climatic / hydrologic condition Are Vegetation No ,S	Soil No ,or Hydrology	, ,	· · ·		_(ii no, explain in Rei ircumstances" preser	
Are Vegetation No ,S			-		eeded, explain any ar	
SUMMARY OF FINDIN				•		•
SOMMAN OF FINDIN	00 - Attach Site map	Silowing San	ilpling point	liocations	, transects, mi	Jordani leatures, etc.
Hydrophytic Vegetation Preser		No				
Hydric Soil Present?		No	Is the Sampl		Vaa	No. V
Wetland Hydrology Present?	Yes	No <u>X</u>	within a Wet	iand?	Yes	No X
Remarks:						
This point was determined	not to be within a wetland due	e to the lack of wet	land hydrology.			
HYDROLOGY						
Wetland hydrology Indica	ators:				Secondary Indicator	s (minimum of two required)
Primary Indicators (minimu	m of one is required; check al	l that apply)			Surface Soil (
Surface Water (A1)	•	Aquatic Fauna (B	13)			etated Concave Surface (B8)
High Water Table (A	.2)	Marl Deposits (B1	5) (LRR U)		Drainage Patt	erns (B10)
Saturation (A3)	<u> </u>	Hydrogen Sulfide	Odor (C1)		Moss Trim Lir	nes (B16)
Water Marks (B1)		Oxidized Rhizosp	heres on Living	Roots(C3)	Dry-Season V	Vater Table (C2)
Sediment Deposits (B2)	Presence of Redu	iced Iron (C4)		Crayfish Burro	ows (C8)
Drift Deposits (B3)		Recent Iron Redu	ction in Tilled So	oils (C6)	Saturation Vis	sible on Aerial Imagery (C9)
Algal Mat or Crust (E		Thin Muck Surfac	e (C7)		Geomorphic F	Position (D2)
Iron Deposits (B5)		Other (Explain in	Remarks)		Shallow Aquit	ard (D3)
	n Aerial Imagery (B7)				FAC-Neutral	Fest (D5)
Water-Stained Leave	es (B9)				Sphagnum mo	oss (D8) (LRR T, U)
Field Observations						
Field Observations: Surface Water Present? Y	'oo No V	Donth (inches):	NI/A			
	es No X	Depth (inches): Depth (inches):				
	es No X	Depth (inches):		Wotland Hyd	rology Present?	Voe No Y
(includes capillary fringe)	CSNOX	Deptil (iliches).	>20	welland myu	rology Fresents	iesiioX
Describe Recorded Data (s	stream gauge, monitoring well	aerial photos, pre	vious inspection	s) if available:		
Describe Necorded Data (c	Arcam gaage, monitoring wen	, acriai priotos, pre	vious inspection	o), ii avallabio.		
Remarks:						
No positive indication of we	etland hydrology was observed	d.				

		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominant Species		
1. Celtis laevigata	,		#DIV/0!	FACW	That Are OBL, FACW, or FAC:	4	(A)
2. Acer negundo			#DIV/0!	FAC			` ,
3.					Total Number of Dominant		
4.					Species Across All Strata:	5	(B)
5.						·	
6.			. <u>———</u>		Percent of Dominant Species		
			= Total Cover		That Are OBL, FACW, or FAC:	80%	(A/B)
	50% of total cover:		20% of total cover:				
Sapling Stratum (Plot size:	30 ft.)				Prevalence Index Worksheet:		
1. None Observed			. <u>— </u>		Total % Cover of:	Multiply by:	
2			. <u> </u>		OBL species 0	x 1 = 0	
3			. <u> </u>		FACW species 35	x 2 = 70	
4			. <u>— </u>		FAC species 30	x 3 = 90	
5			. <u>— </u>		FACU species 5	x 4 = 20	
6			. <u>— </u>		UPL species0	x 5 = 0	
			= Total Cover		Column Totals: 70	(A) 180	(B)
	50% of total cover:		20% of total cover:				
Shrub Stratum (Plot size:	30 ft.)				Prevalence Index = B/A =	2.57	
1. None Observed			. <u> </u>				
2			. <u> </u>		Hydrophytic Vegetation Indicate	ors:	
3			. <u> </u>		1 - Rapid Test for Hydrop	hytic Vegetation	
4			· <u></u>		X 2 - Dominance Test is >5		
5			<u> </u>		X 3 - Prevalence Index is ≤		
6			. <u>——</u>		Problematic Hydrophytic	Vegetation (Explain)	
			= Total Cover				
			20% of total cover:		¹ Indicators of hydric soil and wetl		
Herb Stratum (Plot size:	30 ft.)				be present, unless disturbed or pro		
·		35	Yes	FACW	Definitions of Five Vegetation S		
2. Rubus argutus		15	Yes	FAC	Tree - Woody plants, excluding w	-	
3. <u>Diospyros virginiana</u>		5	No	FAC	approximately 20 ft (6m) or more in	-	
4			· — .		(7.6 cm) or larger in diameter at br	east height (DBH).	
5			· <u></u> .		Conline Woody plants avaluating	v woody vinos	
6					Sapling - Woody plants, excluding approximately 20 ft (6 m) or more		
7			· <u></u> .		than 3 in. (7.6 cm) DBH.	ii neigni and less	
8			· -		than 3 in. (7.0 cm) DBH.		
9			. <u> </u>		Shrub - Woody plants, excluding v	woody vines	
10					approximately 3 to 20 ft (1 to 6 m)	•	
11	.		T + 1 0		approximately 0 to 20 ft (1 to 0 fil)	in noight.	
	500/ 51 1 1		= Total Cover	44	Herb - All herbaceous (non-woody	nlante including	
	50% of total cover:	27.5	20% of total cover:	11	herbaceous vines, regardless of si	, .	
Woody Vine Stratum (Plot size:	30 π)	_	.,	540	plants, except woody vines, less th	· ·	
Smilax bona-nox Vitia raturalifalia		5	Yes	FAC FAC	3 ft (1 m) in height.	ian approximatory	
Vitis rotundifolia Dorthonopiasus quinquefolia		5	Yes Yes	FAC	on (1 m) in noight.		
3. Parthenocissus quinquefolia		5	Yes	FACU	Woody vine - All woody vines, red	ardless of height	
4					Trocky time 7 in mosely times, 108	,a. a.eee ee.g	
5		15	= Total Cover		Hydrophytic		
	50% of total cover:		20% of total cover:	3	Vegetation		
	55 /0 OI total COVEI.	1.0	20 /0 Oi total cover.		Present? Yes X	No	
					Tresent: Tes A		
Remarks: (if observed, list mo	ernhological adapteti	ione halow	١				
•					red as ODL FACW or FAC)		

Profile Description: (Describe to the deposeth Matrix		Redox Fe				
nches) Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
					-	Remarks
0-16 10YR 4/1 80	10YR 5/8		C	M	Clay	
Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, N	IS=Masked	Sand Grains.	² Location: PL	=Pore Lining, M=Mati	
lydric Soils Indicators: (Applicable to al	I LRRs, unless ot	herwise not	ed.)		Indicators for Prob	lematic Hydric Soils ³ :
Histosol (A1)	Polyval	ue Below Si	urface (S8) (L	.RR S, T, U)	1 cm Muck (A9) (LRR O)
Histic Epipedon (A2)	Thin Da	ark Surface	(S9) (LRR S,	T, U)	2 cm Muck (A1	0) (LRR S)
Black Histic (A3)	Loamy	Mucky Mine	ral (F1) (LRR	O)	Reduced Vertice	(F18) (outside MLRA 150A,
Hydrogen Sulfide (A4)	Loamy	Gleyed Mat	rix (F2)		Piedmont Floor	dplain Soils (F19) (LRR P, S,
Stratified Layers (A5)	X Deplete	ed Matrix (F	3)		Anomalous Brid	ght Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U)		Dark Surfac	•		(MLRA 153B)	, , ,
5 cm Mucky Mineral (A7) (LRR P, T, U		ed Dark Surf	. ,		Red Parent Ma	terial (TF2)
Muck Presence (A8) (LRR U)		Depressions	. ,			Park Surface (TF12)
1 cm Muck (A9) (LRR P, T)		10) (LRR U	. ,		Other (Explain	, ,
Depleted Below Dark Surface (A11)		, · ·	, 11) (MLRA 1 :	51)	Otrici (Explain	iii Romanoj
Thick Dark Surface (A11)		•	, ,	(LRR O, P, T)	³ Indicators o	f hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150		•	3) (LRR P, T			ology must be present,
			, -	, 0)		bed or problematic.
Sandy Mucky Mineral (S1) (LRR O, S)			(MLRA 151)	04 450D)		
Sandy Gleyed Matrix (S4)		,	8) (MLRA 15			
Sandy Redox (S5)		-		(MLRA 149A)		
Stripped Matrix (S6)	Anoma	lous Bright I	oamy Soils (l	F20) (MLRA 149	A, 153C, 153D)	
Dark Surface (S7) (LRR P, S, T, U)						
lestrictive Layer (if observed):						
Type:						
Depth (inches):				Hydric	Soil Present? Yes	X No
	_					
emarks:						
positive indication of hydric soil was obser	ved.					
, F						

Applicant/Owner: Baton Rouge Area Chamber State: Louisians Sample Point: SL13 Investigator(s): D. Barry and B. McNabb Section, Township, Range Section 1, Township 10 South, Range 14 East Landform (fillslope, terrace, etc.): Flat Landform (fillslope, terrace, etc.): Flat Landform (fillslope, terrace, etc.): Flat Landform (fillslope, terrace, etc.): Nondform (fills object, e
Landform (hillslope, terrace, etc.): Flat
Subregion (LRR or MLRA): LRR O
Soil Map Unit Name: Sharkey clay, 0 to 1 percent slopes, rarely flooded, south 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 significantly disturbed? Are "Noman Circumstances" present? Yes X No Are Vegetation No Soil No or Hydrology No not Hydrology No significantly disturbed? Are "Noman Circumstances" present? Yes X No Are Vegetation No Soil No or Hydrology No not 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
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 significantly disturbed? Are "Normal Circumstances" present? Yes X No 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 S No X Is the Sampled Area within a Wetland Hydrology Present? Yes No X Within a Wetland? Yes No X Secondary Indicators (minimum of two required) 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 (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) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (C2) Iron Deposits (B5) Other (Explain in Remarks) Spangum moss (D8) (LRR T, U)
Are Vegetation No Soil No or Hydrology No asjgnificantly disturbed? Are "Normal Circumstances" present? Yes X No
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
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes X No Yes X No X Within a Wetland? Yes No X Remarks: This point was determined not to be within a wetland due to the lack of wetland hydrology. 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) High Water Table (A2) Marl Deposits (B15) (LRR U) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres on Living Roots(C3) Drift Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Water-Stained Leaves (B9) Spangnum moss (D8) (LRR T, U) Sphagnum moss (D8) (LRR T, U)
Hydrophytic Vegetation Present? Yes X No I Is the Sampled Area within a Wetland? Yes No X Is the Sampled Area within a
Hydric Soil Present? Wetland Hydrology Present? Yes No X No X Is the Sampled Area within a Wetland? Yes No X No X Wetland Pydrology Present? This point was determined not to be within a wetland due to the lack of wetland hydrology. 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) High Water Table (A2) Marl Deposits (B15) (LRR U) Saturation (A3) Hydrogen Sulfide Odor (C1) Water Marks (B1) Sediment Deposits (B2) Presence of Reduced Iron (C4) Sediment Deposits (B3) Algal Mat or Crust (B4) Thin Muck Surface (C7) Iron Deposits (B3) Algal Mat or Crust (B4) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Is the Sampled Area within a Wetland? Yes No X Secondary Indicators (minimum of two required) Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Spassely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)
Hydric Soil Present? Wetland Hydrology Present? Yes No X No X Is the Sampled Area within a Wetland? Yes No X No X Wetland Pydrology Present? This point was determined not to be within a wetland due to the lack of wetland hydrology. 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) High Water Table (A2) Marl Deposits (B15) (LRR U) Saturation (A3) Hydrogen Sulfide Odor (C1) Water Marks (B1) Sediment Deposits (B2) Presence of Reduced Iron (C4) Sediment Deposits (B3) Algal Mat or Crust (B4) Thin Muck Surface (C7) Iron Deposits (B3) Algal Mat or Crust (B4) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Is the Sampled Area within a Wetland? Yes No X Secondary Indicators (minimum of two required) Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Spassely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)
Wetland Hydrology Present? Yes
Remarks: This point was determined not to be within a wetland due to the lack of wetland hydrology. ### Wetland hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)
HYDROLOGY Wetland hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Hydrogen Sulfide Odor (C1) Water Marks (B1) Sediment Deposits (B2) Presence of Reduced Iron (C4) Sediment Deposits (B3) Algal Mat or Crust (B4) Indicators (minimum of two required) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Wetland hydrology Secondary Indicators (minimum of two required) Secondary Indicators (minimum of two required) Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) To available Odor (C1) Moss Trim Lines (B10) Spassely Vegetated Concave Surface (C2) Scalartion (A3) Moss Trim Lines (B10) Moss Trim Lines (B10) Spassely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface
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Wetland hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (B6) Surface Water (A1) 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) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Magal Mat or Crust (B4) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) X FAC-Neutral Test (D5) Water-Stained Leaves (B9) Spangnum moss (D8) (LRR T, U)
Wetland hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (B6) Surface Water (A1) 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) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Magal Mat or Crust (B4) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) X FAC-Neutral Test (D5) Water-Stained Leaves (B9) Spangnum moss (D8) (LRR T, U)
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Water Marks (B1)
Sediment Deposits (B2) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
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Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U)
<u> </u>
Field Observations:
Surface Water Present? Yes 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 No X
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
No positive indication of wetland hydrology was observed.

Sampling Point:	SL13
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		Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	30 ft)	% cover	Species?	Status	Number of Dominant Species	
1. None Observed	<u> </u>	70 00 101	ороскоо.	Otatao	•	(A)
2.			· —		111011110 0000, 1710111110.	(7.1)
•	-		·		Total Number of Dominant	
3			·			(D)
4					Species Across All Strata: 1	(B)
5			· —			
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:	30 ft.)					·
1. None Observed			. <u>——</u>		Total % Cover of: Multiply by:	
2			· —		OBL species	
3					FACW species x 2 =190	
4			. <u> </u>		FAC species 0 x 3 = 0	
5			<u> </u>		FACU species 20 x 4 = 80	
6			. <u>———</u>		UPL species 0 x 5 = 0	
			= Total Cover		Column Totals: 115 (A) 270	(B)
	50% of total cover:		20% of total cover:			, ,
Shrub Stratum (Plot size:					Prevalence Index = B/A = 2.35	
1. None Observed						
2.			·		Hydrophytic Vegetation Indicators:	
3.			<u> </u>		1 - Rapid Test for Hydrophytic Vegetation	
			<u> </u>		X 2 - Dominance Test is >50%	
4.			· —		X 3 - Prevalence Index is $\leq 3.0^1$	
5			· ——		Problematic Hydrophytic Vegetation ¹ (Explain)	
6.			- Total Causa		Problematic Hydrophytic Vegetation (Explain)	'
	500/ - 51-1-1		= Total Cover		16. 25. 4	
			20% of total cover:		¹ Indicators of hydric soil and wetland hydrology must	
Herb Stratum (Plot size:	30 ft.)	00		E 4 014/	be present, unless disturbed or problematic.	
Carex intumescens		60	Yes	FACW	Definitions of Five Vegetation Strata:	
2. Sorghum halepense		20	<u>No</u>	FACU	Tree - Woody plants, excluding woody vines,	
3. Tridens strictus		20	<u>No</u>	FACW	approximately 20 ft (6m) or more in height and 3 in.	
4. Verbena incompta		15	<u>No</u>	FACW	(7.6 cm) or larger in diameter at breast height (DBH).	
5			. <u>——</u>			
6			· —		Sapling - Woody plants, excluding woody vines,	
7			. <u>——</u>		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			<u> </u>		Shrub - Woody plants, excluding woody vines,	
11			<u> </u>		approximately 3 to 20 ft (1 to 6 m) in height.	
		115	= Total Cover			
	50% of total cover:	57.5	20% of total cover:	23	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.			· <u></u>		3 ft (1 m) in height.	
3.			<u></u>			
4.			<u> </u>		Woody vine - All woody vines, regardless of height.	
			· <u></u>			
5			= Total Cover		Hydrophytic	
	50% of total cover:		20% of total cover:		Vegetation	
	30 % Of total cover.		20 % Of total cover.		_	
					Present? Yes <u>X</u> No	
Demonstra (f. 1	ambabat 1 1 1 1 1 1 1		`			
Remarks: (if observed, list mo	orpnological adaptati	ons below).			
A positive indication of hydrop	hytic vegetation was	observed	(>50% of dominant	species index	ked as OBL, FACW, or FAC).	

hepth Matrix Redox Features inches) Color (moist) % Color (moist) % Type¹ Loc 0-16 10YR 4/2 95 10YR 5/6 5 C M Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Locat hydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 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) Pepleted 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) (LRR O, I Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 1 Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLR	Clay Clay	oblematic Hydric Soils ³ : A9) (LRR O) A10) (LRR S) rtic (F18) (outside MLRA 150A toodplain Soils (F19) (LRR P, S, Bright Loamy Soils (F20) Material (TF2) Dark Surface (TF12) in in Remarks) of hydrophytic vegetation and ydrology must be present,
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 2 Locat ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 150A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 150A) Stripped Matrix (S6)	ion: PL=Pore Lining, M=M Indicators for Pro U)	oblematic Hydric Soils ³ : A9) (LRR O) A10) (LRR S) rtic (F18) (outside MLRA 150A toodplain Soils (F19) (LRR P, S, Bright Loamy Soils (F20) Material (TF2) Dark Surface (TF12) in in Remarks) of hydrophytic vegetation and ydrology must be present,
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Adric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, 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) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, III) Coast Prairie Redox (A16) (MLRA 150A) Delta Ochric (F11) (MLRA 151) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 151) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 150A)	Indicators for Property U) 1 cm Muck (A) 2 cm Muck (A) Reduced Very Piedmont Flory Anomalous E (MLRA 153E) Red Parent Novery Shallow Other (Explant) P, T) Indicators wetland by	oblematic Hydric Soils ³ : A9) (LRR O) A10) (LRR S) rtic (F18) (outside MLRA 150A toodplain Soils (F19) (LRR P, S, Bright Loamy Soils (F20) Material (TF2) Dark Surface (TF12) in in Remarks) of hydrophytic vegetation and ydrology must be present,
Adric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, 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) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, III) Coast Prairie Redox (A16) (MLRA 150A) Delta Ochric (F11) (MLRA 151) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 151) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 150A)	Indicators for Property U) 1 cm Muck (A) 2 cm Muck (A) Reduced Very Piedmont Flory Anomalous E (MLRA 153E) Red Parent Novery Shallow Other (Explant) P, T) Indicators wetland by	oblematic Hydric Soils ³ : A9) (LRR O) A10) (LRR S) rtic (F18) (outside MLRA 150A toodplain Soils (F19) (LRR P, S, Bright Loamy Soils (F20) Material (TF2) Dark Surface (TF12) in in Remarks) of hydrophytic vegetation and ydrology must be present,
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Adric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, 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) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, III) Coast Prairie Redox (A16) (MLRA 150A) Delta Ochric (F11) (MLRA 151) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 151) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 150A)	Indicators for Property U) 1 cm Muck (A) 2 cm Muck (A) Reduced Very Piedmont Flory Anomalous E (MLRA 153E) Red Parent Novery Shallow Other (Explant) P, T) Indicators wetland by	oblematic Hydric Soils ³ : A9) (LRR O) A10) (LRR S) rtic (F18) (outside MLRA 150A toodplain Soils (F19) (LRR P, S, Bright Loamy Soils (F20) Material (TF2) Dark Surface (TF12) in in Remarks) of hydrophytic vegetation and ydrology must be present,
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, Thin Dark Surface (S9) (LRR S, T, U) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Stom Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Surpleted Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 150A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 150A) Surface (A11) Polyvalue Below Surface (S9) (LRR S, T, U) Loamy Mucky Mineral (F1) (LRR O, I) Loamy Mucky Mineral (F1) (LRR O, II) Popleted Matrix (F3) Popleted Matrix (F3) Popleted Ochric (F11) (MLRA 151) Popleted Ochric (F13) (LRR P, T, U) Popleted Ochric (F17) (MLRA 151) Popleted Ochric (F17) (MLRA 151) Popleted Ochric (F18) (MLRA 150A) Piedmont Floodplain Soils (F19) (MLRA 150A) Piedmont Floodplain Soils (F20) (MLRA 150A) Piedmont Floodplain Soils (F20) (MLRA 150A)	Indicators for Property U) 1 cm Muck (A) 2 cm Muck (A) Reduced Very Piedmont Flory Anomalous E (MLRA 153E) Red Parent Novery Shallow Other (Explant) P, T) Indicators wetland by	oblematic Hydric Soils ³ : A9) (LRR O) A10) (LRR S) rtic (F18) (outside MLRA 150A toodplain Soils (F19) (LRR P, S, Bright Loamy Soils (F20) Material (TF2) Dark Surface (TF12) in in Remarks) of hydrophytic vegetation and ydrology must be present,
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, Thin Dark Surface (S9) (LRR S, T, U) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Stom Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Surpleted Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 150A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 150A) Surface (A11) Polyvalue Below Surface (S9) (LRR S, T, U) Loamy Mucky Mineral (F1) (LRR O, I) Loamy Mucky Mineral (F1) (LRR O, II) Popleted Matrix (F3) Popleted Matrix (F3) Popleted Ochric (F11) (MLRA 151) Popleted Ochric (F13) (LRR P, T, U) Popleted Ochric (F17) (MLRA 151) Popleted Ochric (F17) (MLRA 151) Popleted Ochric (F18) (MLRA 150A) Piedmont Floodplain Soils (F19) (MLRA 150A) Piedmont Floodplain Soils (F20) (MLRA 150A) Piedmont Floodplain Soils (F20) (MLRA 150A)	Indicators for Property U) 1 cm Muck (A) 2 cm Muck (A) Reduced Very Piedmont Flory Anomalous E (MLRA 153E) Red Parent Novery Shallow Other (Explant) P, T) Indicators wetland by	oblematic Hydric Soils ³ : A9) (LRR O) A10) (LRR S) rtic (F18) (outside MLRA 150A toodplain Soils (F19) (LRR P, S, Bright Loamy Soils (F20) Material (TF2) Dark Surface (TF12) in in Remarks) of hydrophytic vegetation and ydrology must be present,
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, Thin Dark Surface (S9) (LRR S, T, U) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 150A) Stripped Matrix (S6) Polyvalue Below Surface (S8) (LRR S, T, U) Loamy Mucky Mineral (F1) (LRR O) Loamy Mucky Mineral (F1) (LRR O) Loamy Mucky Mineral (F2) X Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, I) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 150A) Stripped Matrix (S6)	1 cm Muck (/ 2 cm Muck (/ Reduced Ver Piedmont Flo Anomalous E (MLRA 153E Red Parent N Very Shallow Other (Expla	A9) (LRR O) A10) (LRR O) A10) (LRR S) rtic (F18) (outside MLRA 150A toodplain Soils (F19) (LRR P, S, Bright Loamy Soils (F20) Material (TF2) Dark Surface (TF12) in in Remarks) s of hydrophytic vegetation and ydrology must be present,
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Stripped Matrix (S6) Thin Dark Surface (S9) (LRR O, Loamy Mucky Mineral (F1) (LRR O, Loamy Gleyed Matrix (F2) Loamy Mucky Mineral (F1) (LRR O, Loamy Gleyed Matrix (F3) Loamy Mucky Mineral (F1) (LRR O, Loamy Gleyed Matrix (F3) Loamy Mucky Mineral (F1) (LRR O, Loamy Gleyed Matrix (F3) Redox Depressions (F8) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, Identify (LRR O, Identify (F17) (MLRA 151) Sendy Gleyed Matrix (S4) Sendy Redox (S5) Anomalous Bright Loamy Soils (F20) (MLRA 150)	2 cm Muck (/ Reduced Ver Piedmont Flo Anomalous E (MLRA 153E Red Parent N Very Shallow Other (Expla	A10) (LRR S) rtic (F18) (outside MLRA 150A bodplain Soils (F19) (LRR P, S, Bright Loamy Soils (F20) Material (TF2) Dark Surface (TF12) in in Remarks) s of hydrophytic vegetation and ydrology must be present,
Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (LRR O) Loamy Mucky Mineral (F1) (LRR O) Loamy Mucky Mineral (F1) (LRR P, T) Depleted Matrix (F3) Redox Depressions (F8) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, I) Delta Ochric (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F19) (MLRA 150A) Anomalous Bright Loamy Soils (F20) (ML	Reduced Very Piedmont Flow Anomalous E (MLRA 153E) Red Parent Modern Very Shallow Other (Explain P, T) Reduced Very Shallow Other (Explain P, T)	rtic (F18) (outside MLRA 150A bodplain Soils (F19) (LRR P, S, Bright Loamy Soils (F20) B) Material (TF2) Dark Surface (TF12) in in Remarks) s of hydrophytic vegetation and dydrology must be present,
Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Loamy Gleyed Matrix (F2) X Depleted Matrix (F3) Redox Dark Surface (F6) Redox Depressions (F8) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, I) Umbric Surface (F13) (LRR P, T, U) Sendy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 151) Anomalous Bright Loamy Soils (F20) (MLRA 150)	Piedmont Flo Anomalous E (MLRA 153E Red Parent N Very Shallow Other (Expla P, T) Pidmont Flo Anomalous E (MLRA 153E Red Parent N Very Shallow Other (Expla	podplain Soils (F19) (LRR P, S, Bright Loamy Soils (F20) Material (TF2) Dark Surface (TF12) in in Remarks) of hydrophytic vegetation and drology must be present,
Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) X Depleted Matrix (F3) Redox Dark Surface (F6) Redox Depressions (F8) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, I) Umbric Surface (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 1 Anomalous Bright Loamy Soils (F20) (MLRA 1	Anomalous E (MLRA 153B Red Parent N Very Shallow Other (Expla P, T) Anomalous E (MLRA 153B Red Parent N Very Shallow 3Indicators wetland hy	Bright Loamy Soils (F20) B) Material (TF2) Dark Surface (TF12) in in Remarks) s of hydrophytic vegetation and drology must be present,
Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Dark Surface (F7) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, I) Umbric Surface (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 151) Anomalous Bright Loamy Soils (F20) (MLRA 151)	(MLRA 153E Red Parent M Very Shallow Other (Expla P, T) 3Indicators wetland by	Material (TF2) Dark Surface (TF12) in in Remarks) of hydrophytic vegetation and drology must be present,
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Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Redox Depressions (F8) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, I Umbric Surface (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 151) Anomalous Bright Loamy Soils (F20) (MLRA 151)	Very Shallow Other (Expla P, T) 3Indicators wetland hy	Dark Surface (TF12) in in Remarks) s of hydrophytic vegetation and drology must be present,
1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, I Umbric Surface (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B Piedmont Floodplain Soils (F19) (MLRA 151) Anomalous Bright Loamy Soils (F20) (MLRA 150)	Other (Expla P, T) 3Indicators wetland hy	in in Remarks) s of hydrophytic vegetation and /drology must be present,
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, I Umbric Surface (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B Piedmont Floodplain Soils (F19) (MLRA 1 Anomalous Bright Loamy Soils (F20) (MLRA 150)	P, T) 3Indicators wetland hy	s of hydrophytic vegetation and /drology must be present,
Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Iron-Manganese Masses (F12) (LRR O, I Umbric Surface (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B Piedmont Floodplain Soils (F19) (MLRA 1 Anomalous Bright Loamy Soils (F20) (ML	wetland hy	drology must be present,
Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Umbric Surface (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B Piedmont Floodplain Soils (F19) (MLRA 1 Anomalous Bright Loamy Soils (F20) (MLRA 1	wetland hy	drology must be present,
Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B Piedmont Floodplain Soils (F19) (MLRA 1 Anomalous Bright Loamy Soils (F20) (MLRA 1	unless dis	
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Reduced Vertic (F18) (MLRA 150A, 150B Piedmont Floodplain Soils (F19) (MLRA 1 Anomalous Bright Loamy Soils (F20) (MLRA 1		turbed or problematic.
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 1 Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (ML	8)	
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (ML)		
<u> </u>		
Bain Sanass (S7) (Errer 1, 0, 1, 0)	ICA 149A, 1000, 100D)	
estrictive Layer (if observed):		
Type:		
Depth (inches):	Hydric Soil Present? Ye	es X No
emarks:		
positive indication of hydric soil was observed.		

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 11, 2018
Applicant/Owner:	Baton Rouge Area Chamber	Stat	te: Louisia	na Sample Point:	SL14
Investigator(s): O. Ba	rry and B. McNabb	Section, Township	ρ, Range: Sec	ction 71, Township 10 So	uth, Range 14 East
Landform (hillslope, terrace, etc.):	Flat	_ Local relief (conca	ave, convex, none):	None Slope (%): 0-1
Subregion (LRR or MLRA):	LRR O	Lat:30.1		-91.060165° Da	tum: NAD 83
Soil Map Unit Name:	Sharkey clay, 0 to 1 percent slopes			Classification:	PFO1A
, ,	s on the site typical for this time of year?			, explain in Remarks.)	
Are Vegetation No ,Soi		-		stances" present? Yes	
Are Vegetation No ,Soi		urally problematic?	•	l, explain any answers in	•
SUMMARY OF FINDING	S - Attach site map showing	sampling poin	t locations, tra	nsects, important	features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No No Yes X No No	_ _ Is the Samp within a We		Yes X No	
Remarks: This point was determined to	be within a wetland due to the presence	of all 3 wetland crite	ria.		
HYDROLOGY					
Wetland hydrology Indicato	ors:		Seco	ndary Indicators (minimu	m of two required)
	of one is required; check all that apply)		X	Surface Soil Cracks (B	•
Surface Water (A1)	Aquatic Faur	, ,		Sparsely Vegetated Co	` '
High Water Table (A2)		ts (B15) (LRR U)		Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)		ulfide Odor (C1) izospheres on Living	Poots(C3)	Moss Trim Lines (B16) Dry-Season Water Tab	le (C2)
Sediment Deposits (B2		Reduced Iron (C4)		Crayfish Burrows (C8)	le (G2)
Drift Deposits (B3)	· —	Reduction in Tilled S	ooils (C6)	Saturation Visible on A	erial Imagery (C9)
Algal Mat or Crust (B4)				Geomorphic Position (, ,
Iron Deposits (B5)		in in Remarks)		Shallow Aquitard (D3)	,-,
Inundation Visible on A		,	x	FAC-Neutral Test (D5)	
X Water-Stained Leaves				Sphagnum moss (D8) (LRR T, U)
Field Observations:					
Surface Water Present? Yes		hes): N/A			
		· ——			
Saturation Present? Yes	No X Depth (inc	hes): <u>>20</u>	Wetland Hydrolog	y Present? Yes	X No
(includes capillary fringe) Describe Recorded Data (stre	eam gauge, monitoring well, aerial photos	s, previous inspection	ns), if available:		
Remarks:	_				
A positive indication of wetlar	nd hydrology was observed (at least one	primary indicator).			
A positive indication of wetlar	nd hydrology was observed (at least two	secondary indicators).		

		Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominant Species	
1. None Observed	,				That Are OBL, FACW, or FAC: 5 (A)	
2.						
3.			<u> </u>		Total Number of Dominant	
4.					Species Across All Strata: 5 (B)	
5						
6.					Percent of Dominant Species	
			= Total Cover		That Are OBL, FACW, or FAC: (A/E	3)
	50% of total cover:		20% of total cover:			
Sapling Stratum (Plot size:	30 ft.)				Prevalence Index Worksheet:	
1. None Observed			<u> </u>		Total % Cover of: Multiply by:	
2			<u> </u>		OBL species 120 x 1 = 120	
3			<u> </u>		FACW species x 2 = 40	
4			<u> </u>		FAC species 0 x 3 = 0	
5			<u> </u>		FACU species 0 x 4 = 0	
6			- <u></u>		UPL species 0	
			= Total Cover		Column Totals: (A) (A)	(B)
			20% of total cover:			
Shrub Stratum (Plot size:	30 ft.)				Prevalence Index = B/A = 1.14	
1. None Observed						
2			· ——		Hydrophytic Vegetation Indicators:	
3.					1 - Rapid Test for Hydrophytic Vegetation	
4			· —		X 2 - Dominance Test is >50%	
5.			· —		X 3 - Prevalence Index is ≤ 3.0 ¹ Problematic Hydrophytic Vegetation ¹ (Explain)	
6.			= Total Cover		Problematic Hydrophytic Vegetation (Explain)	
	50% of total cover:		20% of total cover:		¹ Indicators of hydric soil and wetland hydrology must	
Herb Stratum (Plot size:	30 ft.)		20% Of total cover.		be present, unless disturbed or problematic.	
Saururus cernuus	<u> </u>	60	Yes	OBL	Definitions of Five Vegetation Strata:	
Rhynchospora corniculata		20	Yes	OBL	Tree - Woody plants, excluding woody vines,	
Cyperus virens		20	Yes	FACW	approximately 20 ft (6m) or more in height and 3 in.	
Persicaria punctata		20	Yes	OBL	(7.6 cm) or larger in diameter at breast height (DBH).	
Sagittaria platyphylla		20		OBL	(7.5 only of larger in diameter at broadt height (BBH).	
6.			<u> </u>		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.			<u> </u>		Shrub - Woody plants, excluding woody vines,	
11.					approximately 3 to 20 ft (1 to 6 m) in height.	
		140	= Total Cover			
	50% of total cover:	70	20% of total cover:	28	Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size	: <u>30 ft.</u>)				herbaceous vines, regardless of size, <u>and</u> woody	
1. None Observed			<u> </u>		plants, except woody vines, less than approximately	
2			<u> </u>		3 ft (1 m) in height.	
3			<u> </u>			
4			<u> </u>		Woody vine - All woody vines, regardless of height.	
5						
			= Total Cover		Hydrophytic	
			= Total Cover 20% of total cover:		Vegetation	
			•			
			•		Vegetation	
Remarks: (if observed, list m	50% of total cover:		20% of total cover:		Vegetation	

Depth	Matrix			Redox F	eatures		•			
Depth (inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks		
0-16	10YR 4/1	80	7.5YR 4/6	20	C	М	Clay			
-						-				
Type: C=0	Concentration, D=Dep	oletion, RM	=Reduced Matrix, N	/IS=Maske	d Sand Grains.	² Location: F	PL=Pore Lining, M=Matri	X.		
•	ls Indicators: (Appl	icable to a	-		•			ematic Hydric Soils ³ :		
	ol (A1)				Surface (S8) (L		1 cm Muck (A9)	` '		
	Epipedon (A2)				e (S9) (LRR S ,	· · · · ·	2 cm Muck (A10	, ,		
	Histic (A3)			-	neral (F1) (LRF	(O)		(F18) (outside MLRA 150A,B		
	gen Sulfide (A4)			Gleyed Ma	` '			plain Soils (F19) (LRR P, S, T		
	ed Layers (A5)	D T II\	X Deplet	,	•		Anomalous Bright Loamy Soils (F20) (MLRA 153B)			
	ic Bodies (A6) (LRR ⁄Jucky Mineral (A7) (L			Dark Surfa ed Dark Su	` '		Red Parent Material (TF2)			
	Presence (A8) (LRR		· — ·	Depression	` ,		Very Shallow Dark Surface (TF12)			
	Muck (A9) (LRR P, T)	-		10) (LRR	` '		Other (Explain in Remarks)			
	ted Below Dark Surfa			, .	F11) (MLRA 1	51)		,		
	Dark Surface (A12)	,	Iron-M	anganese I	Masses (F12)	(LRR O, P, T)	³ Indicators of	hydrophytic vegetation and		
Coast	Prairie Redox (A16)	(MLRA 15	DA) Umbrid	Surface (F	F13) (LRR P, T	', U)	wetland hydrology must be present,			
Sandy	Mucky Mineral (S1)	(LRR O, S	Delta 0	Ochric (F17) (MLRA 151)		unless disturbed or problematic.			
Sandy	Gleyed Matrix (S4)		Reduc	ed Vertic (F	=18) (MLRA 15	0A, 150B)				
Sandy	Redox (S5)		Piedme	ont Floodpl	ain Soils (F19)	(MLRA 149A)				
	ed Matrix (S6)		Anoma	llous Bright	t Loamy Soils (F20) (MLRA 14	9A, 153C, 153D)			
Dark S	Surface (S7) (LRR P,	S, T, U)								
Restrictive	Layer (if observed)):								
Type:										
Depth (i	nches):					Hydri	c Soil Present? Yes _	X No		
Remarks:										
A positive in	ndication of hydric so	il was obse	erved.							

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 11, 2018
Applicant/Owner:	Baton Rouge Area Cham	ber S	tate: Lou	isiana Sample Point:	SL15
Investigator(s): O. E	Barry and B. Mc	Nabb Section, Towns	hip, Range:	Section 71, Township 10 So	uth, Range 14 East
Landform (hillslope, terrace, etc.		Local relief (cor	ncave, convex, none): <u>January 0, 1900</u> Slope ((%): x
Subregion (LRR or MLRA):	LRR O		.163094° Long		tum: NAD 83
Soil Map Unit Name:	Sharkey clay, 0 to 1 perce			IWI Classification:	PFO1A
, ,	ns on the site typical for this time	·		f no, explain in Remarks.)	W. N.
				cumstances" present? Yes	
Are Vegetation No ,S		naturally problematic?	·	ded, explain any answers in	•
SUMMARY OF FINDING	GS - Attach site map sho	owing sampling po	int locations, t	ransects, important	features, etc.
Hydrophytic Vegetation Presen Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes No Yes No	X Is the Sar	npled Area /etland?	Yes No	<u> </u>
Remarks:					
HYDROLOGY	not to be within a wetland due to t	ne lack of nydric solls and v	veuand nydrology.		
Wetland hydrology Indica	ntors:		S	econdary Indicators (minimu	ım of two required)
Primary Indicators (minimur	m of one is required; check all that	apply)	<u> </u>	Surface Soil Cracks (B	
Surface Water (A1)	Aqu	atic Fauna (B13)		Sparsely Vegetated Co	•
High Water Table (A	2) <u> </u>	Deposits (B15) (LRR U)		Drainage Patterns (B10))
Saturation (A3)	Hyd	rogen Sulfide Odor (C1)	_	Moss Trim Lines (B16)	
Water Marks (B1)	Oxid	dized Rhizospheres on Livi	ng Roots(C3)	Dry-Season Water Tab	le (C2)
Sediment Deposits (I	B2) Pre	sence of Reduced Iron (C4		Crayfish Burrows (C8)	
Drift Deposits (B3)		ent Iron Reduction in Tilled	Soils (C6)	Saturation Visible on A	erial Imagery (C9)
Algal Mat or Crust (B	· —	Muck Surface (C7)	_	Geomorphic Position (I)2)
Iron Deposits (B5)		er (Explain in Remarks)	_	Shallow Aquitard (D3)	
Inundation Visible on	, ,		_	X FAC-Neutral Test (D5)	
Water-Stained Leave	es (B9)		_	Sphagnum moss (D8) (LRR T, U)
Field Observations:					
	es No X D	epth (inches): N/A			
		epth (inches): >20			
Saturation Present? Yes		epth (inches): >20	Wetland Hydro	logy Present? Yes	No X
(includes capillary fringe)		· , , , <u></u>	_		
Describe Recorded Data (s	tream gauge, monitoring well, aeri	al photos, previous inspec	ions), if available:		
Remarks:					
No positive indication of we	etland hydrology was observed.				

Sampling Point:	SL15
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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. Celtis laevigata		50	Yes	FACW			, ,
3.			<u> </u>		Total Number of Dominant		
4.			· 		Species Across All Strata:	6	(B)
5.							
6.					Percent of Dominant Species		
_		100	= Total Cover		That Are OBL, FACW, or FAC:	83%	(A/B)
	50% of total cover:	50	20% of total cover:	20			
Sapling Stratum (Plot size:	30 ft.)				Prevalence Index Worksheet:		
1. Morus rubra		15	Yes	FACU	Total % Cover of:	Multiply by:	
2					OBL species 40 x	1 = 40	
3.					FACW species 50 x 2	2 = 100	
4.					FAC species 105 x 3	3 = 315	
5.					FACU species 15 x 4	4 = 60	
6					UPL species 0 x 5	5 = 0	
		15	= Total Cover		Column Totals: 210 (A)) <u>515</u>	(B)
	50% of total cover:	7.5	20% of total cover:	3			
Shrub Stratum (Plot size:	30 ft.)				Prevalence Index = B/A =	2.45	
1. None Observed							
2					Hydrophytic Vegetation Indicators:		
3					1 - Rapid Test for Hydrophytic	: Vegetation	
4					X 2 - Dominance Test is >50%		
5.					X 3 - Prevalence Index is ≤ 3.0 ¹		
6					Problematic Hydrophytic Vege	∍tation¹ (Explain)	
			= Total Cover				
	50% of total cover:		20% of total cover:		¹ Indicators of hydric soil and wetland h	hydrology must	
Herb Stratum (Plot size:	30 ft.)				be present, unless disturbed or problem	natic.	
Thelypteris palustris		40	Yes	OBL	Definitions of Five Vegetation Strata	1 :	
2. Iva annua		40	Yes	FAC	Tree - Woody plants, excluding woody	/ vines,	
3					approximately 20 ft (6m) or more in hei	ght and 3 in.	
4					(7.6 cm) or larger in diameter at breast	height (DBH).	
5							
6					Sapling - Woody plants, excluding woo		
7					approximately 20 ft (6 m) or more in he	ignt and less	
8					than 3 in. (7.6 cm) DBH.		
9					Objects Manufacture and discount of	de contra con	
10					Shrub - Woody plants, excluding wood	• •	
11					approximately 3 to 20 ft (1 to 6 m) in he	∍ignt.	
		80	= Total Cover				
	50% of total cover:	40	20% of total cover:	16	Herb - All herbaceous (non-woody) pla		
Woody Vine Stratum (Plot size:	30 ft.)				herbaceous vines, regardless of size, a		
1. Vitis rotundifolia		15	Yes	FAC	plants, except woody vines, less than a	approximately	
2					3 ft (1 m) in height.		
3					Manada Allamada Allamada Allamada		
4					Woody vine - All woody vines, regardle	ess of neight.	
5							
			= Total Cover		Hydrophytic		
	50% of total cover:	7.5	20% of total cover:	3	Vegetation		
					Present? Yes X No		
Remarks: (if observed, list mo					ved as ODL FACIAL as FACI		

Depth	Matrix			Redox F	eatures				
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-6	10YR 3/2	100	None	_			Clay loam		
6-16	10YR 4/3	95	10YR 5/8	5	С	M	Clay		
			-						
Type: C=C	Concentration, D=Dep	oletion, RM	l=Reduced Matrix, M	S=Maske	d Sand Grains.	² Location: Pl	 _=Pore Lining, M=Matrix		
Hydric Soil	s Indicators: (Appl	icable to	all LRRs, unless oth	nerwise n	oted.)		Indicators for Proble	matic Hydric Soils ³ :	
Histoso	ol (A1)		Polyval	ue Below	Surface (S8) (L	RR S, T, U)	1 cm Muck (A9)	(LRR O)	
Histic E	Epipedon (A2)		Thin Da	ark Surfac	e (S9) (LRR S,	Γ, U)	2 cm Muck (A10)	(LRR S)	
Black I	Histic (A3)		Loamy	Mucky Mir	neral (F1) (LRR	O)	Reduced Vertic (F18) (outside MLRA 150A,E	
Hydrog	gen Sulfide (A4)		Loamy	Gleyed Ma	atrix (F2)		Piedmont Floodp	lain Soils (F19) (LRR P, S, T	
Stratific	ed Layers (A5)		Depleted Matrix (F3)				Anomalous Brigh	t Loamy Soils (F20)	
Organi	ic Bodies (A6) (LRR	P, T, U)	Redox	Dark Surfa	ace (F6)		(MLRA 153B)		
5 cm M	/lucky Mineral (A7) (L	RR P, T,	J) Deplete	ed Dark Su	urface (F7)		Red Parent Mate	rial (TF2)	
Muck F	Presence (A8) (LRR	U)	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)		
Deplet	ed Below Dark Surfa	ce (A11)	Deplete	ed Ochric ((F11) (MLRA 1 5	1)			
Thick [Dark Surface (A12)		Iron-Ma	inganese	Masses (F12) (LRR O, P, T)		nydrophytic vegetation and	
Coast	Prairie Redox (A16)	(MLRA 15	0A) Umbric	Surface (F13) (LRR P, T	U)	•	ogy must be present,	
Sandy	Mucky Mineral (S1)	(LRR O, S) Delta C	chric (F17	7) (MLRA 151)		นเมอรร นเรเนาม	ed or problematic.	
Sandy	Gleyed Matrix (S4)		Reduce	ed Vertic (I	F18) (MLRA 15)A, 150B)			
Sandy	Redox (S5)		Piedmo	nt Floodp	lain Soils (F19)	MLRA 149A)			
Strippe	ed Matrix (S6)		Anoma	ous Brigh	t Loamy Soils (F	20) (MLRA 149	A, 153C, 153D)		
Dark S	Surface (S7) (LRR P,	S, T, U)							
Restrictive	Layer (if observed)):							
Type:									
Depth (ir	nches):					Hydric	Soil Present? Yes _	NoX	
Remarks:									

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 11, 2018
Applicant/Owner:	Baton Rouge Area Chamber	Stat	te: Louisia	na Sample Point:	SL16
Investigator(s): O. Bar	ry and B. McNabb	Section, Township	o, Range: Sec	tion 71, Township 10 So	uth, Range 14 East
Landform (hillslope, terrace, etc.):	Flat	Local relief (conca	ave, convex, none):	None Slope (%): <u>0-1</u>
Subregion (LRR or MLRA):	LRR O	Lat:30.1		-91.061127° Da	um: NAD 83
Soil Map Unit Name:	Sharkey clay, 0 to 1 percent slopes	, rarely flooded, sout		Classification:	PFO1A
, ,	on the site typical for this time of year?			, explain in Remarks.)	
Are Vegetation No ,Soil		-		stances" present? Yes	
Are Vegetation No ,Soil		rally problematic?	•	, explain any answers in	•
SUMMARY OF FINDINGS	6 - Attach site map showing	sampling poin	t locations, tra	nsects, important	features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes X No No Yes X No No	Is the Samp within a We		Yes X No	
	be within a wetland due to the presence	of all 3 wetland crite	ria.		
HYDROLOGY					
Wetland hydrology Indicator	rs:		Seco	ndary Indicators (minimu	m of two required)
	of one is required; check all that apply)		X	Surface Soil Cracks (B6	
Surface Water (A1)	Aquatic Faur	` ,		Sparsely Vegetated Co	, ,
High Water Table (A2)		s (B15) (LRR U)		Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)	 ' -	ılfide Odor (C1) zospheres on Living	Poots(C3)	Moss Trim Lines (B16) Dry-Season Water Tab	o (C2)
Sediment Deposits (B2)		Reduced Iron (C4)		Crayfish Burrows (C8)	le (G2)
Drift Deposits (B3)		Reduction in Tilled S	oils (C6)	Saturation Visible on A	erial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck S			Geomorphic Position (E	, ,
Iron Deposits (B5)		in in Remarks)		Shallow Aquitard (D3)	
Inundation Visible on Ae		,	x	FAC-Neutral Test (D5)	
X Water-Stained Leaves (, ,			Sphagnum moss (D8) (LRR T, U)
Field Observations:					
Surface Water Present? Yes	No X Depth (inch	nes): N/A			
Water Table Present? Yes		· 			
Saturation Present? Yes	No X Depth (inch	nes): <u>>20</u>	Wetland Hydrolog	y Present? Yes	<u> </u>
(includes capillary fringe) Describe Recorded Data (stre	am gauge, monitoring well, aerial photos	s, previous inspection	ns), if available:		
Remarks:					
A positive indication of wetland	d hydrology was observed (at least one լ	primary indicator).			
A positive indication of wetland	d hydrology was observed (at least two s	secondary indicators).		

		Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	30 ft)	% cover	Species?	Status	Number of Dominant Species	
1. None Observed	<u> </u>	70 00 101	ороског.	Otatao	·	(A)
2.					That 740 OBE, 1710W, 011710.	(71)
	•				Total Number of Dominant	
3						(D)
4					Species Across All Strata: 3	(B)
5			· —			
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:	30 ft.)					
1. None Observed			<u> </u>		Total % Cover of: Multiply by:	
2					OBL species 80 x 1 = 80	
3			<u> </u>		FACW species 40 x 2 = 80	
4					FAC species 20 x 3 = 60	
5			<u> </u>		FACU species 0 x 4 = 0	
6					UPL species 0 x 5 = 0	
			= Total Cover		Column Totals: 140 (A) 220	(B)
	50% of total cover:		20% of total cover:			
Shrub Stratum (Plot size:					Prevalence Index = B/A = 1.57	
1. None Observed	/					
2.			· <u></u>	_	Hydrophytic Vegetation Indicators:	
					1 - Rapid Test for Hydrophytic Vegetation	
3					X 2 - Dominance Test is >50%	
4		-			X 3 - Prevalence Index is $\leq 3.0^{1}$	
5						
6			· _ 		Problematic Hydrophytic Vegetation ¹ (Explain)	
			= Total Cover			
			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.	
Saururus cernuus		40	Yes	OBL	Definitions of Five Vegetation Strata:	
2. Carex frankii		40	Yes	OBL	Tree - Woody plants, excluding woody vines,	
3. Carex vulpinoidea		30	Yes	FACW	approximately 20 ft (6m) or more in height and 3 in.	
4. Campsis radicans		20	No	FAC	(7.6 cm) or larger in diameter at breast height (DBH).	
5. Brunnichia ovata		10	<u>No</u>	FACW		
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.			· <u></u>			
10.			·	_	Shrub - Woody plants, excluding woody vines,	
11					approximately 3 to 20 ft (1 to 6 m) in height.	
		140	= Total Cover			
	50% of total cover:		•	28	Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size:			20% of total cover.	20	herbaceous vines, regardless of size, and woody	
1. None Observed)				plants, except woody vines, less than approximately	
					3 ft (1 m) in height.	
2			· —		on (1 m) in noight.	
3			<u> </u>		Woody vine - All woody vines, regardless of height.	
4					Woody vine - All woody vines, regardless of neight.	
5	-		<u> </u>			
			= Total Cover		Hydrophytic	
	50% of total cover:		20% of total cover:		Vegetation	
					Present? Yes X No	
Remarks: (if observed, list mo	orphological adaptati	ions below).			
A positive indication of hydrop	hytic vegetation was	heerved	(>50% of dominant	enaciae indo	ved as ORI FACW or FAC)	
A positive indication of hydrop	, no vogetation was	, opaci veu	t. 00 % or dominant	opooloo IIIue)	ac obe, i now, or i noj.	

Depth	Matrix			Redox F	eatures					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-16	10YR 4/1	80	7.5YR 5/8	20	С	M	Clay			
										
								-		
Type: C=C	Concentration, D=Dep	oletion, RN	1=Reduced Matrix, M	IS=Maske	d Sand Grains.	² Location: Pl	L=Pore Lining, M=Matrix	K.		
Hydric Soil	ls Indicators: (Appl	icable to	all LRRs, unless ot	herwise n	oted.)			ematic Hydric Soils ³ :		
Histos	ol (A1)		Polyva	ue Below	Surface (S8) (L	RR S, T, U)	1 cm Muck (A9)	(LRR O)		
Histic I	Epipedon (A2)		Thin Da	Thin Dark Surface (S9) (LRR S, T, U)) (LRR S)		
Black	Histic (A3)		Loamy	Mucky Mir	neral (F1) (LRR	O)	Reduced Vertic (F18) (outside MLRA 150A,B)			
Hydro	gen Sulfide (A4)	Loamy	Gleyed Ma	atrix (F2)		Piedmont Floodplain Soils (F19) (LRR P, S, T)				
Stratifi	ied Layers (A5)	X Deplete	ed Matrix (l	F3)		Anomalous Brigl	Anomalous Bright Loamy Soils (F20)			
Organ	ic Bodies (A6) (LRR	P, T, U)	Redox	Dark Surfa	ace (F6)		(MLRA 153B)			
5 cm N	Mucky Mineral (A7) (L	RR P, T,	U)Deplete	Depleted Dark Surface (F7) Redox Depressions (F8)				Red Parent Material (TF2) Very Shallow Dark Surface (TF12)		
Muck I	Presence (A8) (LRR	U)	Redox							
1 cm N	Muck (A9) (LRR P, T))	Marl (F	10) (LRR !	U)		Other (Explain in Remarks)			
Deplet	ted Below Dark Surfa	ce (A11)	Deplete	ed Ochric ((F11) (MLRA 1	51)				
Thick I	Dark Surface (A12)		Iron-Ma	anganese I	Masses (F12)	(LRR O, P, T)				
Coast	Prairie Redox (A16)	(MLRA 15	0A) Umbric	Umbric Surface (F13) (LRR P, T, U)				logy must be present, ed or problematic.		
Sandy	Mucky Mineral (S1)	(LRR O, S	Delta C	chric (F17	7) (MLRA 151)		uniess disturb	ed of problematic.		
Sandy	Gleyed Matrix (S4)		Reduce	ed Vertic (F	F18) (MLRA 15	0A, 150B)				
Sandy	Redox (S5)		Piedmo	nt Floodpl	lain Soils (F19)	(MLRA 149A)				
Strippe	ed Matrix (S6)		Anoma	lous Bright	t Loamy Soils (l	F20) (MLRA 14 9	A, 153C, 153D)			
Dark S	Surface (S7) (LRR P,	S, T, U)								
Restrictive	Layer (if observed)):								
Type:										
	nches):					Hydric	Soil Present? Yes	X No		
			<u> </u>							
Remarks:										
	ndication of hydric so									

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 11, 2018
Applicant/Owner:	Baton Rouge Area Chamber	Stat	e: Louisia	na Sample Point:	SL17
• ,,	arry and B. McNabb	_ Section, Township	o, Range: Sec	ction 71, Township 10 So	uth, Range 14 East
Landform (hillslope, terrace, etc.):	· ·	-	ave, convex, none):		. —
Subregion (LRR or MLRA):	LRR O	Lat:30.10		•	tum: NAD 83
Soil Map Unit Name:	Sharkey clay, 0 to 1 percent slopes as on the site typical for this time of year?			Classification: , explain in Remarks.)	PFO1A
Are Vegetation No ,Sc	**			stances" present? Yes	X No
Are Vegetation No ,Sc		urally problematic?		I, explain any answers in	
<u></u> .	SS - Attach site map showing	-	•	•	•
SUMMART OF FINDING	- Attach site map showing	Sampling poin	t iocations, trai	insects, important	reatures, etc.
Hydrophytic Vegetation Present		_			
Hydric Soil Present?	Yes X No	_ Is the Samp			
Wetland Hydrology Present?	Yes X No	_ within a We	lland?	Yes X No	
Remarks:					
Remarks.					
This point was determined to	be within a wetland due to the presence	of all 3 wetland crite	ria.		
HYDROLOGY					
Wetland hydrology Indicat	ors:		Seco	ondary Indicators (minimu	m of two required)
Primary Indicators (minimum	of one is required; check all that apply)			Surface Soil Cracks (B6	3)
Surface Water (A1)	Aquatic Faur	na (B13)		Sparsely Vegetated Co	ncave Surface (B8)
High Water Table (A2) Marl Deposit	s (B15) (LRR U)	<u> x</u>	Drainage Patterns (B10)
Saturation (A3)	Hydrogen Sເ	ılfide Odor (C1)		Moss Trim Lines (B16)	
Water Marks (B1)	X Oxidized Rhi	zospheres on Living	Roots(C3)	Dry-Season Water Tab	le (C2)
Sediment Deposits (B	2) Presence of	Reduced Iron (C4)		Crayfish Burrows (C8)	
Drift Deposits (B3)	Recent Iron	Reduction in Tilled S	oils (C6)	Saturation Visible on A	erial Imagery (C9)
Algal Mat or Crust (B4	l) Thin Muck S	urface (C7)		Geomorphic Position (D	02)
Iron Deposits (B5)	Other (Expla	in in Remarks)		Shallow Aquitard (D3)	
Inundation Visible on A	Aerial Imagery (B7)		X	FAC-Neutral Test (D5)	
X Water-Stained Leaves	3 (B9)			Sphagnum moss (D8) (LRR T, U)
F: 1101			T		
Field Observations:	n Na V Danth (in a	h\. N/A			
Surface Water Present? Yes Water Table Present? Yes	 · · ·	· 			
Saturation Present? Yes	' ' '	· ——	Wetland Hydrolog	v Brocont? Voc	V No
(includes capillary fringe)	s No X Depth (incl	nes). <u>>20</u>	Wetiand Hydrolog	y rieseitt i i es	<u> </u>
	ream gauge, monitoring well, aerial photos	s previous inspection	ns) if available:		
Becombe Necerada Batta (ett	cam gaage, memering wen, aenar prictee	s, providuo inoposiioi	io), ii avallabio.		
Remarks:					
A positive indication of wetla	and hydrology was observed (at least one	primary indicator).			
A positive indication of wetla	and hydrology was observed (at least two	secondary indicators).		

Sampling Point:	SL17
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		Absolute	Dominant	Indicator	Dominance Test w	orksheet:		
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominar	t Species		
Quercus lyrata		20	Yes	OBL	That Are OBL, FAC	•	8	(A)
Liquidambar styraciflua	_	20	Yes	FAC	, ,	· _		()
3. Celtis laevigata		20	Yes	FACW	Total Number of Do	minant		
A Distance and dentalis		10	No	FACW	Species Across All		8	(B)
5.			· <u></u>		·	_		` ,
6.			· <u></u>		Percent of Dominan	t Species		
		70	= Total Cover		That Are OBL, FAC	•	100%	(A/B)
	50% of total cover:	35	20% of total cover:	14		_		` ,
Sapling Stratum (Plot size:	30 ft.)				Prevalence Index \	Vorksheet:		
Quercus laurifolia		5	Yes	FACW	Total % C	over of:	Multiply by:	
2. Ulmus americana		5	Yes	FAC	OBL species	25	x 1 = 25	
3. Celtis laevigata		5	Yes	FACW	FACW species	90	x 2 = 180	
4.	_		·		FAC species	25	x 3 = 75	
5.	_		·		FACU species	0	x 4 = 0	
6.			·		UPL species	0	x 5 = 0	
		15	= Total Cover		Column Totals:		(A) 280	(B)
	50% of total cover:		20% of total cover:	3	_		(7.1)	(=)
Shrub Stratum (Plot size:		7.0	20% of total cover.		Prevalence	Index = B/A =	2.00	
1. Sabal minor		50	Yes	FACW	1 Tovalonoc	mack Birt		
2			163	TAOW	Hydrophytic Veget	ation Indicator	e.	
			·			est for Hydroph		
3			·			nce Test is >50	-	
4			· — ·			nce Index is ≤ 3		
5.			·				.o egetation ¹ (Explain)	
6.			- Tatal Causa		Probleman	c mydropriytic v	egetation (Explain)	
	EOO/ of total acuer		= Total Cover	10	1 Indicators of budri	a aail and watla	ad bydralagy myst	
Hards Charles (Diet sine)	50% of total cover:	25	20% of total cover:	10	¹ Indicators of hydri			
Herb Stratum (Plot size:	30 ft.)	_	V	ODI	be present, unless of			
· · · · · ·		5	Yes	OBL	Definitions of Five	-		
2.			· ——		Tree - Woody plant	-	-	
3			· ·		approximately 20 ft		-	
4					(7.6 cm) or larger in	diameter at bre	ast neight (DBH).	
5			· — ·		Sapling - Woody pl	ante evoludina	woody vines	
6			· — ·		approximately 20 ft			
7					than 3 in. (7.6 cm) [rieignt and iess	
8.			·		(7.0 GH) L	ю.		
9.			· <u></u> .		Shrub - Woody plan	ata avaludina w	oody vinos	
10			· ·		, ,	,	•	
11			· <u></u> .		approximately 3 to 2	.0 11 (1 10 0 111) 11	rneignt.	
		•	= Total Cover		Haula All bankasas	(mlamba imalicalima	
	50% of total cover:	2.5	20% of total cover:	1	Herb - All herbaceo	,		
Woody Vine Stratum (Plot size:	30 ft)				herbaceous vines, r	-		
1. None Observed			. <u> </u>		plants, except wood	y vines, iess tha	an approximately	
2			. <u> </u>		3 ft (1 m) in height.			
3			. <u>——</u>					
4			<u> </u>		Woody vine - All w	oody vines, rega	ardless of height.	
5			. <u>— </u>					
			= Total Cover		Hydrophytic			
	50% of total cover:		20% of total cover:		Vegetation			
					Present?	res <u>X</u> I	No	
Remarks: (if observed, list me	orphological adaptati	ons below).					
A positive indication of hydron	hytic vegetation was	ماممسرمط	/> F00/ -f -l		rad as ODL FACIAL as I	-40\		

Depth	Matrix			Redox F	eatures					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-16	10YR 3/2	80	10YR 4/6	20	C	M/PL	Clay			
			<u> </u>							
						2				
	Concentration, D=Dep					Location: PL	=Pore Lining, M=Matrix			
-	ls Indicators: (Appl	icable to a	•		•	DD 0 T II)		ematic Hydric Soils ³ :		
	ol (A1)				Surface (S8) (L		1 cm Muck (A9) 2 cm Muck (A10	• •		
	Epipedon (A2)			Thin Dark Surface (S9) (LRR S, T, U)				, . ,		
	Histic (A3)		Loamy Mucky Mineral (F1) (LRR O) Loamy Gleyed Matrix (F2)				Reduced Vertic (F18) (outside MLRA 150A,B) Piedmont Floodplain Soils (F19) (LRR P, S, T)			
Hydrogen Sulfide (A4) Stratified Layers (A5)				ed Matrix (l			Anomalous Bright Loamy Soils (F20)			
Organic Bodies (A6) (LRR P, T, U)			 '	X Redox Dark Surface (F6)				(MLRA 153B)		
	Mucky Mineral (A7) (L			Depleted Dark Surface (F7)				Red Parent Material (TF2)		
	Presence (A8) (LRR		· — ·	Depression	, ,		Very Shallow Dark Surface (TF12)			
	/luck (A9) (LRR P, T)	-		10) (LRR !	` '		Other (Explain in Remarks)			
	ed Below Dark Surfa		Deplete	ed Ochric (F11) (MLRA 1	51)		,		
Thick	Dark Surface (A12)		Iron-Ma	Iron-Manganese Masses (F12) (LRR O, P, T)				hydrophytic vegetation and		
Coast	Prairie Redox (A16)	(MLRA 15	0A) Umbric	Surface (F	F13) (LRR P, T	, U)	wetland hydrology must be preser unless disturbed or problematic.			
Sandy	Mucky Mineral (S1)	(LRR O, S) Delta C	chric (F17) (MLRA 151)		uniess disturb	ed or problematic.		
Sandy	Gleyed Matrix (S4)		Reduce	ed Vertic (F	=18) (MLRA 15	0A, 150B)				
Sandy	Redox (S5)		Piedmo	nt Floodpl	ain Soils (F19)	(MLRA 149A)				
Strippe	ed Matrix (S6)		Anoma	lous Bright	t Loamy Soils (F20) (MLRA 149	A, 153C, 153D)			
Dark S	Surface (S7) (LRR P,	S, T, U)								
Restrictive	Layer (if observed)	:								
Type:										
	nches):					Hydric	Soil Present? Yes _	X No		
Remarks:										
tomarks.										

Project/Site:	Noel Site	Pa	arish:	Ascension	Sampling	Date: May 11, 2018	
Applicant/Owner:	Baton Rouge Area	Chamber	Stat	e: <u>L</u>	ouisiana Sample F	Point: SL18	
Investigator(s): O.	Barry and E	3. McNabb Se	ection, Township	o, Range:	Section 71, Towns	hip 10 South, Range 14 Eas	st
Landform (hillslope, terrace, etc	. —	Lo	ocal relief (conca			· · · · · -	
Subregion (LRR or MLRA): _	LRR O		_ Lat:30.16		ong: <u>-91.064528</u>		33
Soil Map Unit Name:	Sharkey clay, 0 to 1				_ NWI Classification:		
Are climatic / hydrologic conditi Are Vegetation No ,	Soil No ,or Hydrology	, ,	Yes / No)		_(if no, explain in Rer Dircumstances" prese	•	
Are Vegetation No ,			-		needed, explain any a		
<u> </u>			•	,		,	_
SUMMARY OF FINDIN	165 - Attach Site map	snowing sai	nping poin	Liocations	s, transects, imp	Jortani reatures, etc	<i>j</i> .
Hydrophytic Vegetation Prese	ent? Yes	No <u>X</u>					
Hydric Soil Present?	Yes X	No	Is the Samp				
Wetland Hydrology Present?	Yes	No <u>X</u>	within a Wet	tland?	Yes	No X	
Damada							
Remarks:							
This point was determined	d not to be within a wetland du	e to the lack of hyd	drophytic vegetat	tion and wetlan	d hydrology.		
I							
HYDROLOGY							
Wetland hydrology India	cators:				Secondary Indicator	rs (minimum of two required)	`
Primary Indicators (minimu	um of one is required; check a	ill that apply)			Surface Soil (<u></u>
Surface Water (A1)		Aquatic Fauna (B	313)			etated Concave Surface (B8	8)
High Water Table (Marl Deposits (B	•		Drainage Pat	•	,
Saturation (A3)	, <u> </u>	Hydrogen Sulfide			Moss Trim Lir	, ,	
Water Marks (B1)		Oxidized Rhizosp	, ,	Roots(C3)		Vater Table (C2)	
Sediment Deposits	(B2)	Presence of Redu	_	(,	Crayfish Burr	, ,	
Drift Deposits (B3)		Recent Iron Redu	, ,	oils (C6)		sible on Aerial Imagery (C9)	
Algal Mat or Crust (B4)	Thin Muck Surface		()	Geomorphic I	, ,	
Iron Deposits (B5)		Other (Explain in			Shallow Aquit	, ,	
	n Aerial Imagery (B7)	(— · · · · · · · · · · · · · · · ·			FAC-Neutral	, ,	
Water-Stained Leav	, ,					oss (D8) (LRR T, U)	
	,					, , , , ,	
Field Observations:							
Surface Water Present?	Yes NoX	Depth (inches):	. N/A				
Water Table Present?	Yes NoX	Depth (inches):	>20				
Saturation Present?	Yes No X	Depth (inches):	>20	Wetland Hyd	drology Present?	Yes NoX	
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring wel	l, aerial photos, pre	evious inspection	ns), if available	:		
Remarks:							
No positive indication of w	etland hydrology was observe	ed.					

					Daminanas Tast washabaat	
		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)
2						
3.			· <u></u>		Total Number of Dominant	
4.						B)
5.					(_,
					Percent of Dominant Species	
6			= Total Cover		·	A (D)
			•'		That Are OBL, FACW, or FAC: 0	A/B)
			20% of total cover:		Prevalence Index Worksheet:	
Sapling Stratum (Plot size:	30 ft.)					
1. None Observed			· <u> </u>		Total % Cover of: Multiply by:	
2			. <u> </u>		OBL species 0 x 1 = 0	
3			. <u> </u>		FACW species 0 x 2 = 0	
4			. <u> </u>		FAC species 35 x 3 = 105	
5					FACU species 85 x 4 = 340	
6.			· <u></u>		UPL species 0 x 5 = 0	
			= Total Cover		Column Totals: 120 (A) 445	— (B)
	50% of total cover:		20% of total cover:			(_)
Shrub Stratum (Plot size:			2070 Of total COVEL.		Prevalence Index = B/A = 3.71	
1. None Observed	<u> </u>				Trevalence index – D/A – 3.71	_
			· <u></u> ·		Hydrophytic Vegetation Indicators:	
2.			· — ·			
3.			· <u></u> ·		1 - Rapid Test for Hydrophytic Vegetation	
4.			· <u></u> ·		2 - Dominance Test is >50%	
5			· <u> </u>		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 wetland hydrology must	
Herb Stratum (Plot size:	30 ft.)				be present, unless disturbed or problematic.	
Sorghum halepense		40	Yes	FACU	Definitions of Five Vegetation Strata:	
Ambrosia artemisiifolia		30	Yes	FACU	Tree - Woody plants, excluding woody vines,	
3. Campsis radicans		20	No	FAC	approximately 20 ft (6m) or more in height and 3 in.	
Solidago altissima		15	· ·	FACU	(7.6 cm) or larger in diameter at breast height (DBH).	
5. Cirsium horridulum		15	No No	FAC	(7.0 dill) of larger in diameter at breast neight (bbir).	
				TAC	Sapling - Woody plants, excluding woody vines,	
6			· — ·		approximately 20 ft (6 m) or more in height and less	
7			· <u> </u>		than 3 in. (7.6 cm) DBH.	
8					than 3 iii. (7.0 diii) DDI i.	
9			. <u>——</u> .		Olaret Westerlands and English to the	
10			. <u></u> .		Shrub - Woody plants, excluding woody vines,	
11			. <u>——</u> .		approximately 3 to 20 ft (1 to 6 m) in height.	
		120	= Total Cover			
	50% of total cover:	60	20% of total cover:	24	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.				<u> </u>	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	
	50% of total cover.		20% of total cover.		_	
					Present? Yes NoX	
			`			
Remarks: (if observed, list m	orphological adaptati	ons below).			
No positive indication of hydro	ophytic vegetation wa	as observe	d (≥50% of dominant	t species inde	exed as FAC- or drier).	

Color (moles)	Profile Description: (Describe to the depth Depth Matrix		Redox Features			
C-16 10YR 4/2 85 5YR 5/8 15 C M Clay Clay		Color (moist)		L nc ²	Texture	Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Turner C Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)			· · · · · · · · · · · · · · · · · · ·			Remarks
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	0-10 101K 4/2 83	31K 3/0	<u> 15</u>	IVI	Clay	
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)						
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)						
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)						
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)						
Sydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)						
ydric Soils Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)						
Histosol (A1)				s. ² Location: PL		
Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 1 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR A1 Pydrogen Sulfide (A4) Stratified Layers (A5) Manomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Muck Presence (A8) (LRR P, T, U) Depleted Dark Surface (F6) Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 150A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, T, U) Presence (A8) (LRR U) Depleted Dark Surface (F7) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Wetland hydrology must be present, unless disturbed or problematic. **Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) **Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) **Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) **Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) **Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) **Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) **Reduced Vertic (F18) (MLRA 150A, 150B) Piedmot Floodplain Soils (F20) (MLRA 149A, 153C, 153D)	lydric Soils Indicators: (Applicable to all	LRRs, unless oth	erwise noted.)		Indicators for Prob	olematic Hydric Soils ³ :
Black Histic (A3) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 1 Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Struke Presence (A8) (LRR P, T, U) Depleted Dark Surface (F6) Muck Presence (A8) (LRR P, T) Depleted Dark Surface (F7) Mari (F10) (LRR U) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Despleted Dark Surface (A12) Despleted Park Surface (F12) (LRR O, P, T) Despleted Park Surface (F12) (LRR O, P, T) Jetta Corast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (Explain in Remarks) Jetta Christic (F11) (MLRA 151) Reduced Vertic (F13) (LRR O, P, T) Mari (F10) (LRR P, T, U) Depleted Dark Surface (F12) (LRR O, P, T) Jetta Christic (F13) (LRR O, P, T, U)	Histosol (A1)	Polyvalu	e Below Surface (S8)	(LRR S, T, U)		
Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Som Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Sandy Redox (S5) Dark Surface (S7) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Depleted Dark Surface (A19) Loamy Gleyed Matrix (F2) Anomalous Bright Loamy Soils (F20) (MLRA 153B) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Delta Ochric (F17) (MLRA 150A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Destrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No Demarks:	Histic Epipedon (A2)	Thin Dar	k Surface (S9) (LRR	S, T, U)	2 cm Muck (A1	(10) (LRR S)
Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Fresence (A8) (LRR P, T, U) Depleted Dark Surface (F6) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Sardy Redox (S5) Dark Surface (S7) Stripped Matrix (S6) Dark Surface (S7) Depleted Below Dark Surface (A11) Depleted Othric (F13) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Bedox (S5) Dark Surface (S7) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 153B) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (Explain in Remarks) Depleted Dark Surface (F13) (LRR O, P, T) Jenothanganese Masses (F12) (LRR O, P, T) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Pietrictive Layer (if observed): Type: Depth (inches): Depth (inches): Hydric Soil Present? Yes X No Pietrarks:	Black Histic (A3)	Loamy N	lucky Mineral (F1) (L l	RR O)	Reduced Vertice	c (F18) (outside MLRA 150A,
Organic Bodies (A6) (LRR P, T, U) Standard (A7) (LRR P, T, U) Depleted Dark Surface (F6) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, T, U) Redox Depressions (F8) Pedeted Dark Surface (F7) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Inon-Manganese Masses (F12) (LRR O, P, T) Sindicators of hydrophytic vegetation wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 150A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Port Surface (S7) (LRR P, S, T, U) Redox Dark Surface (F12) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Other	Hydrogen Sulfide (A4)	Loamy C	Gleyed Matrix (F2)		Piedmont Floo	dplain Soils (F19) (LRR P, S,
5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox Depressions (F8) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Delta Ochric (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) 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:	Stratified Layers (A5)	X Depleted	d Matrix (F3)		Anomalous Bri	ght Loamy Soils (F20)
Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Estrictive Layer (if observed): Type: Depth (inches): Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Jelta Ochric (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A), 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Hydric Soil Present? Yes X No Marl (F12) Other (Explain in Remarks) Indicators of hydrophytic vegetation wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation wetland hydrology must be pre	Organic Bodies (A6) (LRR P, T, U)	Redox D	ark Surface (F6)		(MLRA 153B)	
1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Detta Ochric (F18) (MLRA 150A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Estrictive Layer (if observed): Type: Depth (inches): Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Jepth (Inches): Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Jepth (Jern O, P, T) Jepth (Jern O,	5 cm Mucky Mineral (A7) (LRR P, T, U)	Depleted	Dark Surface (F7)		Red Parent Ma	aterial (TF2)
1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Detta Ochric (F18) (MLRA 150A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Estrictive Layer (if observed): Type: Depth (inches): Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Jepth (Inches): Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Jepth (Jern O, P, T) Jepth (Jern O,	Muck Presence (A8) (LRR U)	Redox D	epressions (F8)		Very Shallow D	Dark Surface (TF12)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Depleted Ochric (F11) (MLRA 151) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) January (F13) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Piedmont Floodplain Soils (F19) (MLRA 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Hydric Soil Present? Yes X No emarks:						, ,
Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Estrictive Layer (if observed): Type: Depth (inches): Iron-Manganese Masses (F12) (LRR O, P, T) Jenton Manganese Masses (F12) (LR O, Tenton Metands hydrology must be present, unless disturbed or problematic. Jenton Manganese Masses (F12) (LRR O, Tenton Metands hydrology must be present, unless disturbed or problematic. Jenton Manganese Masses (F12) (MLR A 150A) Jenton Man			, ,	.151)		,
Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Umbric Surface (F13) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic. Metland hydrology must be present, unless disturbed or problematic.			` , ,	•	³ Indicators o	of hydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Deta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Destrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No			•	,		
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) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No			, , ,	· · · · · · ·	unless distu	rbed or problematic.
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) 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) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No emarks:			, , ,			
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No emarks:					A 4500 450D)	
Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No Remarks:		Anomalo	ous Bright Loamy Soils	6 (F20) (MLRA 149	A, 153C, 153D)	
Type: Hydric Soil Present? Yes X No emarks:	Dark Surface (S7) (LRR P, S, T, U)					
Type: Hydric Soil Present? Yes X No emarks:						
Depth (inches): Hydric Soil Present? Yes X No emarks:	estrictive Layer (if observed):					
lemarks:	Type:					
	Depth (inches):			Hydric	Soil Present? Yes	X No
positive indication of hydric soil was observed.	emarks:					
positive indication of hydric soil was observed.						
	positive indication of hydric soil was observe	ed.				
	•					

Project/Site:	Noel Site	Parish:	Ascension	Sampling Date:	May 11, 2018
Applicant/Owner:	Baton Rouge Area Chamber	Stat	te: Louisia	na Sample Point:	SL19
Investigator(s): O. Barr	y and B. McNabb	Section, Township	o, Range: See	ction 71, Township 10 So	uth, Range 14 East
Landform (hillslope, terrace, etc.):	Flat	_ Local relief (conca	ave, convex, none):	None Slope (%):0-1
Subregion (LRR or MLRA):	LRR O	Lat:30.1	65943° Long:	-91.064593° Da	tum: NAD 83
Soil Map Unit Name:	Sharkey clay, 0 to 1 percent slopes	, rarely flooded, sout		l Classification:	PFO1A
, ,	on the site typical for this time of year?			o, explain in Remarks.)	
Are Vegetation No ,Soil		-		stances" present? Yes	
Are Vegetation No ,Soil		urally problematic?	•	d, explain any answers in	•
SUMMARY OF FINDINGS	6 - Attach site map showing	sampling poin	t locations, tra	nsects, important	features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes X No No No Yes X No No	Is the Samp within a We		Yes X No	
	e within a wetland due to the presence	of all 3 wetland crite	ria.		
HYDROLOGY					
Wetland hydrology Indicator				ondary Indicators (minimu	
	f one is required; check all that apply)		X	Surface Soil Cracks (B	′
Surface Water (A1)	Aquatic Faur	` ,		Sparsely Vegetated Co	` '
High Water Table (A2)		s (B15) (LRR U)	<u> </u>	. ,)
Saturation (A3) Water Marks (B1)		ulfide Odor (C1) zospheres on Living	Poots(C3)	Moss Trim Lines (B16) Dry-Season Water Tab	le (C2)
Sediment Deposits (B2)		Reduced Iron (C4)		Crayfish Burrows (C8)	le (G2)
Drift Deposits (B3)		Reduction in Tilled S	oils (C6)	Saturation Visible on A	erial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck S			Geomorphic Position (E	, ,
Iron Deposits (B5)		in in Remarks)		Shallow Aquitard (D3)	,-,
Inundation Visible on Ae			X	FAC-Neutral Test (D5)	
X Water-Stained Leaves (= - , ,			Sphagnum moss (D8) (LRR T, U)
	•				
Field Observations:					
Surface Water Present? Yes	No X Depth (inch	hes): N/A			
Water Table Present? Yes	' ' '	hes): >20			
Saturation Present? Yes	No X Depth (inch	hes): >20	Wetland Hydrolog	y Present? Yes	X No
(includes capillary fringe) Describe Recorded Data (streat	am gauge, monitoring well, aerial photos	s, previous inspection	ns), if available:		
Remarks:					
A positive indication of wetland	l hydrology was observed (at least one լ	primary indicator).			
A positive indication of wetland	d hydrology was observed (at least two s	secondary indicators).		

Sampling Point:	SL19
Sampling Folin.	SLIS

		Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	30 ft.)	% cover	Species?	Status	Number of Dominant Species	
1. Acer negundo		30	Yes	FAC	That Are OBL, FACW, or FAC: 6 (A)	١)
2. Ulmus americana		30	Yes	FAC		
3. Celtis laevigata		20	Yes	FACW	Total Number of Dominant	
4.					Species Across All Strata: 6 (B)	3)
5			. <u> </u>			
6			. <u> </u>		Percent of Dominant Species	
		80	= Total Cover		That Are OBL, FACW, or FAC: (A	√B)
	50% of total cover:	40	20% of total cover:	16		
Sapling Stratum (Plot size:	30 ft.)				Prevalence Index Worksheet:	
1. Acer negundo		15	Yes	FAC	Total % Cover of: Multiply by:	_
2.					OBL species 10 x 1 = 10	_
3.			· ——		FACW species 20 x 2 = 40	_
4			· — ·		FAC species 90 x 3 = 270	_
5.			· — ·		FACU species	_
6		15	= Total Cover		UPL species 0 x 5 = 0 Column Totals: 120 (A) 320	(B)
	50% of total cover:		20% of total cover:	3	Column Totals:120 (A)320	_ (B)
	30 ft.)	7.5	20% Of total cover.		Prevalence Index = B/A = 2.67	
1. None Observed	<u> </u>				Trevalence index = B/A = 2.01	_
2.					Hydrophytic Vegetation Indicators:	
3.					1 - Rapid Test for Hydrophytic 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 wetland hydrology must	
Herb Stratum (Plot size:	30 ft.)				be present, unless disturbed or problematic.	
1. Viola missouriensis		15	Yes	FAC	Definitions of Five Vegetation Strata:	
2. Hymenocallis liriosme		10	Yes	OBL	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>		Conline Woody plants avaluding woody vines	
6					Sapling - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less	
7			· — ·		than 3 in. (7.6 cm) DBH.	
8			· ·		alan 6 m. (7.6 6m) BBM.	
9. 10					Shrub - Woody plants, excluding woody vines,	
10 11	-		·		approximately 3 to 20 ft (1 to 6 m) in height.	
		25	= Total Cover			
	50% of total cover:		20% of total cover:	5	Herb - All herbaceous (non-woody) plants, including	
Woody Vine Stratum (Plot size:		-			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			. <u>———</u>		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 mo	rphological adaptati	ons below).			
A positive indication of hydroph	nytic vegetation was	observed	(>50% of dominant	species index	xed as OBL, FACW, or FAC).	

Depth	Matrix			Redox F	eatures				
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-16	10YR 4/2	90	10YR 5/6	10	C	M	Clay		
				2	. 		
	Concentration, D=Dep					Location: P	L=Pore Lining, M=Matrix		
	s Indicators: (Appl	icable to				55 5 T III		ematic Hydric Soils ³ :	
Histoso	` ,				Surface (S8) (L		1 cm Muck (A9)	` '	
	Epipedon (A2)				e (S9) (LRR S ,	• •	2 cm Muck (A10	, ,	
Black Histic (A3)				•	neral (F1) (LRF	(0)	Reduced Vertic (F18) (outside MLRA 150A,B		
Hydrogen Sulfide (A4)			 ·	Gleyed Ma	` ,		Piedmont Floodplain Soils (F19) (LRR P, S, T Anomalous Bright Loamy Soils (F20)		
	ed Layers (A5)	X_ Deplete	,	,		(MLRA 153B)			
Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U)				Dark Surfa	, ,		• •	:! (TEO)	
	Presence (A8) (LRR		· — '	Depressio	urface (F7)		Red Parent Material (TF2) Very Shallow Dark Surface (TF12)		
	luck (A9) (LRR P, T)			10) (LRR	` '		Other (Explain in	, ,	
	ed Below Dark Surfa			, •	(F11) (MLRA 1	51)	Other (Explain ii	i Nemarks)	
	Dark Surface (A12)	cc (ATT)			Masses (F12)	•	³ Indicators of	hydrophytic vegetation and	
	Prairie Redox (A16)	(MI RA 15		•	F13) (LRR P, T	• • •		logy must be present,	
	Mucky Mineral (S1)	•	· —	,	') (MLRA 151)	, 0,	unless disturb	ed or problematic.	
	Gleyed Matrix (S4)	(= 0, 0	· —	•	F18) (MLRA 15	iOA. 150B)			
	Redox (S5)			•	lain Soils (F19)	•			
	ed Matrix (S6)			•	` ′		9A, 153C, 153D)		
 Dark S	urface (S7) (LRR P,	S, T, U)		· ·	, ,	, ,			
Restrictive	Layer (if observed)):							
Type:									
Depth (ir	nches):					Hydric	Soil Present? Yes _	No	
Remarks:						1			
. Jiliai No.									
A nositive in	dication of hydric so	il was obse	erved						

ATTACHMENT A

MVN-2007-968-SU

1204-005-001NG Noel Site WDR PROVIDENCE



DEPARTMENT OF THE ARMY

NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P.O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267
September 12, 2007



REPLY TO ATTENTION OF:

Operations Division
Surveillance and Enforcement Section

Mr. Ryan P. Coleman Providence Engineering & Environmental 1201 Main Street Baton Rouge, Louisiana 70802

Dear Mr. Coleman:

Reference is made to your request, on behalf of L.J. Noel, Inc., for a U.S. Army Corps of Engineers' (Corps) jurisdictional determination on property located in Sections 31, 32 and 33, Township 10 South, Range 14 East, Ascension Parish, Louisiana (enclosed map). Specifically, this property is identified as the site of a proposed sandmining operation on the southern half of Claiborne Island, approximately 6 miles from Donaldsonville, LA.

Based on review of recent maps, aerial photography, soils data, and information provided with your request, we have determined that this property is a wetland and subject to Corps' jurisdiction. A Department of the Army (DA) permit under Section 404 of the Clean Water Act will be required prior to the deposition or redistribution of dredged or fill material into this wetland. Additionally, this wetland, along with the Mississippi River, is subject to Corps' jurisdiction under Section 10 of the Rivers and Harbors Act. A DA Section 10 permit will be required prior to any work in this waterway or the wetland.

You and your client are advised that this approved jurisdictional determination is valid for a period of 5 years from the date of this letter unless new information warrants revision prior to the expiration date or the District Engineer has identified, after public notice and comment, that specific geographic areas with rapidly changing environmental conditions merit re-verification on a more frequent basis.

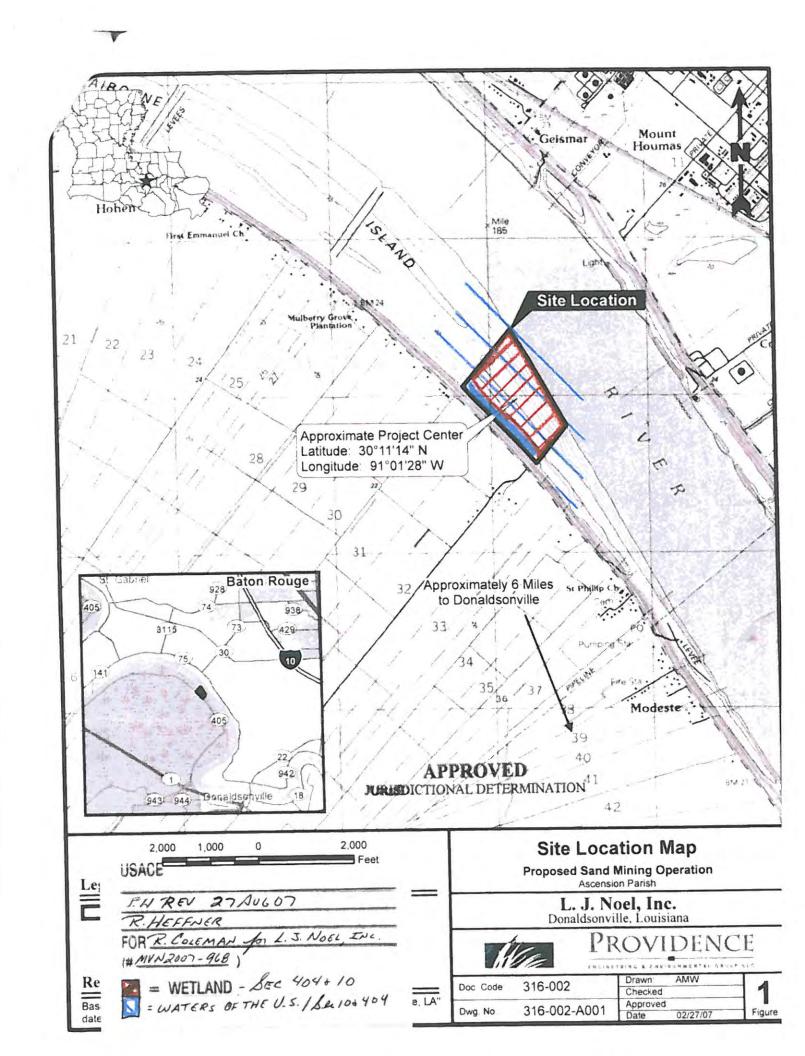
You are advised that you must obtain a permit from a local assuring agency, usually a Levee Board or Parish Council, for any work within 1500 feet of a federal flood control structure such as a levee. You must apply by letter to the appropriate agency including full-size construction plans, cross sections, and details of the proposed work. Concurrently with your application to the assuring agency, you must also forward a copy of your letter and plans to Ms. Amy Powell, Operations Manager for Completed Works of the Corps and to the appropriate regional office of the Louisiana Department of Transportation and Development (LA DOTD) for their review and comments concerning the proposed work. The assuring agency will not issue a permit for the work to proceed until they have obtained letters of no objection from both of these reviewing agencies. For further information regarding permit requests affecting federal flood control levees and structures, please contact Ms. Powell at (504) 862-2241.

Should there be any questions concerning these matters, please contact Mr. Rob Heffner at (504) 862-2274 and reference our Account No. MVN-2007-968-SU. If you have specific questions regarding the permit process or permit applications, please contact our Central Evaluation Section at (504) 862-1270. To obtain a customer service survey form, please visit our website at: https://www.mvn.usace.army.mil/ops/regulatory/Cust_surv.HTM.

Sincerely,

William h. Hettery
for Pete J. Serio
Chief, Regulatory Branch

Enclosures



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

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

Ā.	REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 12Sep07
В.	DISTRICT OFFICE, FILE NAME, AND NUMBER:MVN-2007-968-SU
C.	PROJECT LOCATION AND BACKGROUND INFORMATION: State:Louisiana County/parish/borough: Ascension City: Center coordinates of site (lat/long in degree decimal format): Lat. ° Pick List, Long. ° Pick List. Universal Transverse Mercator: northing - 3341058, easting - 690253 Name of nearest waterbody: Mississippi River Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Mississippi River Name of watershed or Hydrologic Unit Code (HUC): West Central Louisiana, HUC Code 08090302 Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request. Check if other sites (e.g., offsite mitigation sites, disposal sites, etc) are associated with this action and are recorded on a different JD form.
D.	REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY): Office (Desk) Determination. Date: 27Aug07 Field Determination. Date(s):
SEC	CTION II: SUMMARY OF FINDINGS RHA SECTION 10 DETERMINATION OF JURISDICTION.
area	re Are "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review [Required] Waters subject to the ebb and flow of the tide. Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce. Explain: Mississippi River is navigable-in-fact.
	CWA SECTION 404 DETERMINATION OF JURISDICTION.
The	re Are "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]
	1. Waters of the U.S. a. Indicate presence of waters of U.S. in review area (check all that apply): TNWs, including territorial seas Wetlands adjacent to TNWs Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs Non-RPWs that flow directly or indirectly into TNWs Wetlands directly abutting RPWs that flow directly or indirectly into TNWs Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs Impoundments of jurisdictional waters Isolated (interstate or intrastate) waters, including isolated wetlands
	b. Identify (estimate) size of waters of the U.S. in the review area; Non-wetland waters: linear feet: width (ft) and/or 10+/- acres. Wetlands: 58+/- acres.
	e. Limits (boundaries) of jurisdiction based on: Established by OHWM. Elevation of established OHWM (if known):27+/
	 Non-regulated waters/wetlands (check if applicable):³

SECTION I: BACKGROUND INFORMATION

Boxes checked below shall be supported by completing the appropriate sections in Section III below. For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months)

3 Supporting documentation is presented in Section III.F.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify INW: Mississippi River and adjoining wetlands.

Summarize rationale supporting determination: Mississsippi River is navigable-in-fact. The wetlands are below the plane of OHW of the Mississippi River.

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent":

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY);

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under Rapanos have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions: Watershed size: Pick List Pick List Drainage area: Average annual rainfall: inches Average annual snowfall: inches (ii) Physical Characteristics: (a) Relationship with TNW: ☐ Tributary flows directly into TNW. Tributary flows through **Pick List** tributaries before entering TNW Project waters are Pick List river miles from TNW. Project waters are Pick List river miles from RPW. Project waters are Pick List aerial (straight) miles from TNW. Project waters are Pick List aerial (straight) miles from RPW. Project waters cross or serve as state boundaries. Explain: Identify flow route to TNW5;

¹ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West

Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b)	General Tributary Characteristics (check all that apply): Tributary is: Natural Artificial (man-made). Explain: Manipulated (man-altered). Explain:				
Tributary properties with respect to top of bank (estimate): Average width: feet Average depth: feet Average side slopes: Pick List.					
	Primary tributary substrate composition (check all that apply): Silts Sands Concrete Cobbles Gravel Muck Bedrock Vegetation. Type/% cover: Other. Explain:				
	Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Presence of run/riffle/pool complexes. Explain: Tributary geometry: Pick List Tributary gradient (approximate average slope): %				
(e)	Flow: Tributary provides for: Pick List Estimate average number of flow events in review area/year: Pick List Describe flow regime: Other information on duration and volume:				
	Surface flow is: Pick List. Characteristics: Subsurface flow: Pick List. Explain findings: Dye (or other) test performed:				
	Tributary has (check all that apply): Bed and banks OHWM6 (check all indicators that apply): clear, natural line impressed on the bank changes in the character of soil shelving vegetation matted down, bent, or absent leaf litter disturbed or washed away sediment deposition water staining other (list): Discontinuous OHWM. Explain:				
	If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply): High Tide Line indicated by: oil or scum line along shore objects fine shell or debris deposits (foreshore) physical markings/characteristics tidal gauges other (list):				
Cha	mical Characteristics: racterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc Explain: tify specific pollutants, if known:				

A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outerop or through a culvert), the agencies will look for indicators of flow above and below the break.

	(iological Characteristics. Channel supports (check all that apply): Riparian corridor. Characteristics (type, average width): Wetland fringe. Characteristics: Habitat for: Federally Listed species. Explain findings: Fish/spawn areas. Explain findings: Other environmentally-sensitive species. Explain findings: Aquatic/wildlife diversity. Explain findings:	
6	2. (har	cteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW	
	(hysical Characteristics:) General Wetland Characteristics: Properties: Wetland size: acres Wetland type, Explain: Wetland quality. Explain: Project wetlands cross or serve as state boundaries, Explain:	
			Surface flow is: Pick List Surface flow is: Pick List	
			Characteristics: Subsurface flow: Pick List. Explain findings: Dye (or other) test performed:	
		16	Wetland Adjacency Determination with Non-INW: Directly abutting Not directly abutting Discrete wetland hydrologic connection. Explain: Ecological connection. Explain: Separated by berm/barrier. Explain:	
			Proximity (Relationship) to TNW Project wetlands are Pick List river miles from TNW. Project waters are Pick List aerial (straight) miles from TNW. Flow is from: Pick List. Estimate approximate location of wetland as within the Pick List floodplain.	
	(i		hemical Characteristics: haracterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershocharacteristics; etc.). Explain: entify specific pollutants, if known:	ed
	(iii) 1 I I	iological Characteristics. Wetland supports (check all that apply): Riparian buffer. Characteristics (type, average width): Vegetation type/percent cover. Explain: Habitat for: Federally Listed species. Explain findings: Fish/spawn areas. Explain findings: Other environmentally-sensitive species. Explain findings: Aquatic/wildlife diversity. Explain findings:	
3	3. C	1	cteristics of all wetlands adjacent to the tributary (if any) Il wetland(s) being considered in the cumulative analysis: Pick List pproximately () acres in total are being considered in the cumulative analysis.	

For each wetland, specify the following:

Directly abuts? (Y/N)

Size (in acres)

Directly abuts? (Y/N)

Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

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

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

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

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

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

D.	DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL
	THAT APPLY):

1.	TNWs and Adjacent Wetlands. Check all that apply and provide size estimates in review area: INWs: linear feet width (ft), Or. 68+/- acres. Wetlands adjacent to TNWs: acres.
2.	RPWs that flow directly or indirectly into TNWs. Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

	Provide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters:
3.	Non-RPWs ⁸ that flow directly or indirectly into TNWs. Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.
	Provide estimates for jurisdictional waters within the review area (check all that apply): fributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: .
4.	Wetlands directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands. Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:
	Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:
	Provide acreage estimates for jurisdictional wetlands in the review area: acres.
5.	Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.
	Provide acreage estimates for jurisdictional wetlands in the review area: acres.
6.	Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs. Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.
	Provide estimates for jurisdictional wetlands in the review area: acres.
7.	Impoundments of jurisdictional waters. As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional. Demonstrate that impoundment was created from "waters of the U.S.," or Demonstrate that water meets the criteria for one of the categories presented above (1-6), or Demonstrate that water is isolated with a nexus to commerce (see E below).
DE SU	DLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, GRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY CH WATERS (CHECK ALL THAT APPLY): 10 which are or could be used by interstate or foreign travelers for recreational or other purposes. from which fish or shellfish are or could be taken and sold in interstate or foreign commerce. which are or could be used for industrial purposes by industries in interstate commerce. Interstate isolated waters. Explain: Other factors. Explain:
Ide	ntify water body and summarize rationale supporting determination:

E.

⁸See Lootnote #3

⁸ Lo complete the analysis refer to the key in Section III.D 6 of the Instructional Guidebook.

¹⁰ Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

	Provide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: .
	Wetlands: acres.
F.	NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY): If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements. Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce. Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR). Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: Other: (explain, if not covered above):
	Provide acreage estimates for non-jurisdictional waters in the review area, where the <u>sole</u> potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):
	Non-wetland waters (i.e., rivers, streams): linear feet width (ft), Lakes/ponds: acres.
	Other non-wetland waters: acres. List type of aquatic resource: Wetlands: acres.
	Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply): Non-wetland waters (i.e., rivers, streams): linear feet. width (ft). Lakes/ponds: acres. Other non-wetland waters: acres. List type of aquatic resource: Wetlands: acres.
	SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):
	Maps. plans, plots or plat submitted by or on behalf of the applicant/consultant: Data sheets prepared/submitted by or on behalf of the applicant/consultant. Office concurs with data sheets/delineation report.
	Office does not concur with data sheets/delineation report. Data sheets prepared by the Corps:
	☐ Corps navigable waters' study: ☐ U.S. Geological Survey Hydrologic Atlas: ☐ USGS NHD data.
	 ☑ USGS 8 and 12 digit HUC maps. ☑ U.S. Geological Survey map(s). Cite scale & quad name: 1:24000 Carville NE and Carville SE. ☑ USDA Natural Resources Conservation Service Soil Survey. Citation: Sheet 15 of Ascension Parish Soil Survey.
	National wetlands inventory map(s). Cite name: State/Local wetland inventory map(s):
	☐ Fl:MA/FIRM maps: ☐ 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929) ☐ Photographs: ☐ Aerial (Name & Date):'98, 04, '05. or ☐ Other (Name & Date):
	Previous determination(s). File no. and date of response letter: Applicable/supporting case law: Applicable/supporting scientific literature:
	Other information (please specify):
В. /	ADDITIONAL COMMENTS TO SUPPORT JD:

		STRATIVE APPEAL OPTIONS REQUEST FOR APPEAL	AND PRO	OCESS AND
App	icant: L.J. Noel, Inc.	File No.: MVN-2007-968-SU	Date:	SEP 18 2007
	Attached is:			See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)			A
	PROFFERED PERMIT (Standard Permit or Letter of permission)			В
	PERMIT DENIAL			C
X	APPROVED JURISDICTIONAL DETERMINATION		D	
	PRELIMINARY JURISDICTION	AL DETERMINATION		Е

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://usace.army.mil/inet/functions/cw/cecwo/reg or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final
 authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your
 signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights
 to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final
 authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your
 signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights
 to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you
 may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this
 form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the
 date of this notice.
- C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.
- D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.
- ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.
- E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTI	IONS TO AN INITIAL PROFFERED PERMIT
REASONS FOR APPEAL OR OBJECTIONS: (Descri	be your reasons for appealing the decision or your objections to an ach additional information to this form to clarify where your reasons
you may provide additional information to clarify the location of POINT OF CONTACT FOR QUESTIONS OR INFO If you have questions regarding this decision and/or the appeal process you may contact: John Bruza (504) 862-1288 Chief, Surveillance and Enforcement Section U.S. Army Corps of Engineers P.O. Box 60627 New Orleans, LA 70160	Il information that the review officer has determined is needed to orps may add new information or analyses to the record. However, information that is already in the administrative record. RMATION: If you only have questions regarding the appeal process you may also contact the Division Engineer through: James B. Wiseman, Jr. Administrative Appeals Review Officer Mississippi Valley Division P.O. Box 80 (1400 Walnut Street) Vicksburg, MS 39181-0080 (601) 634-5820 (601) 634-5816 (fax)
RIGHT OF ENTRY: Your signature below grants the right of enconsultants, to conduct investigations of the project site during the notice of any site investigation, and will have the opportunity to provide the project of the project site of the pro	ntry to Corps of Engineers personnel, and any government be course of the appeal process. You will be provided a 15 day participate in all site investigations.
Signature of appellant or agent.	Date: Telephone number: