Exhibit DD. Moseley North Site Wetlands Delineation Report

Wetland Data Report Moseley North 350-Acre Site

Pointe Coupee Parish, Louisiana

Baton Rouge Area Chamber

564 Laurel Street

Baton Rouge, Louisiana 70801

February 2015

Prepared by:



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CK Project Number: 12108

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1.0 INTRODUCTION

The following report summarizes a wetland delineation conducted by CK Associates (CK) on an approximate 350-acre property (project area) adjacent to the Mississippi River near Ventress, Louisiana. The purpose of this report is to identify areas that contain potential wetlands and other potential "Waters of the United States" (US) as defined in 33 C.F.R. § 328.3. The project area is located along Highway 981 in Point Coupee Parish, specifically at latitude 30°43'9.02"N and longitude 91°21'56.80"W within Sections 6 and 8 of Township 4 South and Range 11 East.

Waters of the US are aquatic areas that are either navigable or have a significant nexus to a navigable water. These areas are regulated by the US Army Corps of Engineers (USACE). Navigable waters are defined as "those waters that are subject to the ebb and flow of the tide and/or are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce" (33 C.F.R. § 329.4 [1986]). Any area below the ordinary high water mark, as defined in 33 C.F.R. § 328.3 (1993), may fall under Federal jurisdiction as a navigable water (33 C.F.R. § 329.11 [1986]).

Waters of the US, regardless of navigability, can generally be categorized as either: 1) deepwater aquatic habitats, 2) special aquatic sites, or 3) other waters of the US. Deepwater aquatic habitats are "areas that are permanently inundated at mean annual water depths greater than 6.6 feet or permanently inundated areas, less than or equal to 6.6 feet in depth that do not support rooted-emergent or woody plant species". Special aquatic sites include 1) sanctuaries and refuges, 2) wetlands, 3) mudflats, 4) vegetated shallows, 5) coral reefs, and 6) riffle and pool complexes. Other waters of the US include, but are not limited to 1) isolated wetlands and lakes, 2) intermittent streams, 3) prairie potholes, and 4) other waters that are not part of a tributary system to interstate waters or navigable waters of the US (USACE 1987).

Wetlands are classified as a special aquatic site and are defined as "areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (USACE 1987). These areas are referred to as "wetlands" throughout this report whereas deepwater aquatic habitats, special aquatic sites, streams, and other waters of the US are referred to as "other waters" in this report.

Three mandatory technical criteria for determining the presence of a wetland are, with exceptions, 1) prevalence of hydrophytic vegetation, 2) wetland hydrology, and 3) hydric soils (USACE 1987). Hydrophytic vegetation is defined as "the sum total of macrophytic plant life growing in water or on a substrate that is at least periodically deficient in oxygen as a result of excessive water content" (USACE 1987). The term wetland hydrology encompasses "the sum total of wetness characteristics in areas that are inundated or have saturated soils for a sufficient duration to support hydrophytic vegetation" (USACE 1987). A hydric soil is defined as "a soil that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part" (USDA 2010).

2.0 PHYSIOGRAPHY, CLIMATE, AND SITE DESCRIPTION

The survey area is located with Major Land Resource Area (MLRA) 131A – Southern Mississippi River Alluvium. The topography of MLRA 131A is characterized by level or depressional to very undulating alluvial plains, backswamps, oxbows, natural levees, and terraces. Average elevations start at sea level in the southern part of the area and gradually rise to about 330 feet in the northwestern part. The lower Mississippi River and its tributaries drain nearly all of the MLRA, but the Atchafalaya River drains the extreme southwest part (USDA 2006).

The annual precipitation in MLRA 131A is 46 to 60 inches. The average annual temperature ranges from 56 to 69 degrees Fahrenheit (F), increasing from north to south. The freeze-free period averages 285 days. It ranges from 210 to 355 days (USDA 2006).

The project area consists of by cattle pasture, bottomland hardwood swales, and pecan grove ridges related to the Mississippi River historic floodplain.

3.0 METHODS

CK visited the survey area on February 10-12, 2014 to determine the extent of potential wetlands and other waters of the US. The wetland delineation followed routine onsite field procedures as outlined by the USACE (1987 and 2010). Soil references include the NRCS (2014, 2015a, and 2015c), and USDA (2010). Plant nomenclature and wetland indicator status is taken from The National Wetland Plant List (Lichvar et al. 2014). Plant nomenclature not listed in The National Wetland Plant List is taken from the NRCS PLANTS Database (2015b).

Prior to conducting the field investigation, CK reviewed available aerial photography, soil survey data, elevation data (Light Detection and Ranging [LiDAR] contours and Digital Elevation Models [DEM]), topographic maps, and National Wetland Inventory (NWI) data. Data points were established within the dominant plant communities of the survey area. Observations of soils, vegetation, and hydrology were documented at each

data point location (Attachment A). Potential wetlands and waters of the US, and data point locations were mapped utilizing Trimble GeoXT Differential Global Positioning System (DGPS) with real-time corrections. Acreage was obtained by exporting the data from the DGPS unit into ESRI ArcMap Version 10.2. Digital photographs were taken of the soil profile and surrounding vegetation at each data point (Attachment A).

Wetland hydrology was based on the observation of wetland hydrology indicators, as described by USACE (2010). Wetland hydrology criteria were met if one primary indicator was observed or a minimum of two secondary indicators were observed.

All vegetative species present within each data point plot were documented for all vegetation strata, including the tree stratum, sapling/shrub stratum, herbaceous stratum, and woody vines stratum. Percent absolute cover for each species was determined by ocular estimation. Plant communities met hydrophytic vegetation criteria if all dominant species across all strata are classified as obligatory and/or facultative-wet, or if greater than 50% of all dominant species from all strata were classified as obligatory, facultative-wet, and/or facultative species, or if the prevalence index is 3.0 or less (USACE 2010). Dominant species were selected using the "50/20 rule" described by the USACE (2010).

Soil profiles were obtained by excavating an approximate 12- to 16-inch soil pit. Soil color was recorded by matching soil samples throughout the profile to color chips contained in a Munsell soil color chart. The presence or absence of hydric soils was determined utilizing the methods and procedures outlined by the USACE (2010), including, but not limited to, the observation of the hydric soil indicators described by the USACE (2010).

4.0 RESULTS

Thirteen data points (DP) were collected during the field investigation. DP1, DP2, DP3, DP5, DP7, DP8, and DP13 are located within wetlands. DP4, DP6, DP9, DP10, DP11, and DP12 are located in non-wetlands.

4.1 Hydrology

Primary wetland hydrology indicators (surface water, saturation, oxidized rhizospheres on living roots, high water table, water marks, drift deposits and/or sediment deposits) and/or secondary hydrology indicators (geomorphic position, surface soil cracks, FAC neutral test, sparsely vegetation concave surface, drainage patterns and/or crayfish burrows) were observed at DP1, DP2, DP3, DP4, DP5, DP7, DP8, and DP13. No primary or secondary wetland hydrology indicators were observed at DP2, DP6, DP9, DP10, DP11, and DP12.

4.2 Vegetation

The cattle pasture habitat is dominated by honey-locust (*Gleditsia triacanthos*), and sugar-berry (*Celtis laevigata*) in the tree stratum and deciduous holly (*Ilex decidua*) and honey-locust in the sapling/shrub stratum. The herbaceous stratum is dominated by fall panic grass (*Panicum dichotomiflorum*), Bermuda grass (*Cynodon dactylon*), and perennial rye grass (*Lolium perenne*). Horsebrier (*Smilax rotundifolia*) in the woody-vine stratum.

The alluvial ridge habitat is dominated by pecan (*Carya illionoinensis*) in the tree stratum and perennial rye grass in the herbaceous stratum.

The alluvial swale habitat is dominated by American sycamore (*Platanus occidentalis*), black willow (*Salix nigra*), and honey-locust, in the tree stratum; eastern swamp-privet (*Forestiera acuminata*), sugar-berry, black willow, rough cocklebur (*Xanthium strumarium*), and slippery elm (*Ulmus rubra*) in the sapling shrub stratum; cress-leaf groundsel (*Packera glabella*), chufa (*Cyperus esculentus*), common rush (Juncus effusus), fall panic grass, golden crown grass (*Paspalum dilatatum*), and blunt spike-rush (*Eleocharis obtusa*) in the herbaceous stratum; and muscadine (*Vitis rotundifolia*) in the woody-vine stratum.

4.3 Soils

The project area is underlain by the following soils:

Ce: Commerce silt loam, 0 to 1 percent slopes

Cm: Commerce silty clay loam,

RE: Robinsonville and Commerce soils, occasionally flooded, and

Sm: Sharkey-Tunica complex, gently undulating (Figure 4).

All of the above soils are designated as hydric according to the National Hydric Soils List (NRCS 2014). No hydric soil indicators were observed at DP6 and DP10. The depleted matrix hydric soil indicator was observed at DP1, DP2, DP3, DP4, DP5, DP8, DP9, DP11, DP12, and DP13. No soil profile was taken at DP7 and soils were assumed hydric due to the presence of wetland hydrology and hydrophytic vegetation.

4.4 Batture Ordinary High Water Mark and 14-Day Flood Elevation

The OHWM for the portion of the project area located within the Mississippi River batture was estimated at 44 feet North American Vertical Datum (NAVD). The 14-day flood elevation for the batture was estimated at 41 feet NAVD. The OHWM and 14-day flood elevations for the batture were estimated utilizing data provided by the USACE NOD.

4.5 Questions Pertaining to Regulatory Authority

CK has also addressed the items below, as requested in the request for proposal:

- 1. Identify any bodies of water on or abutting the site and identify the authority with jurisdiction over them.
 - The Mississippi River abuts the eastern edge of the property boundary. This feature is under the jurisdiction of the USACE by authority of Section 10 of the Rivers and Harbors Act.
- 2. Do wetlands and/or other waterways exist on or near the site?
 - There are 56.67 acres of Section 404 Wetlands, and 49.5 acres of Section 10 and Section 404 Wetlands present on the site. These features are under the jurisdiction of the USACE under the authority of Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act.
 - There are 1.31 acres of Section 404 Other Waters of the US present on the site. These features are under the jurisdiction of the USACE by authority of Section 404 of the Clean Water Act.
- 3. If wetlands are present has a Section 404 permit application been submitted to USACE? If yes, provide a copy.
 - No previous permit applications were associated with the project area per the USACE New Orleans District.
- 4. If wetlands are present, has the Section 404 permit been received from the USACE?
 - See above.
- 5. If wetlands are present, have all wetlands on site been mitigated?
 - To the best of CK's knowledge, no wetlands on site have been mitigated for.

5.0 CONCLUSIONS

Based on the aforementioned data and field observations, the 349.39-acre project area contains (see Figures 2 and 3):

- 1.31 acres of Section 404 Other Waters of the US
- 56.67 acres of Section 404 Wetlands
- 49.5 acres of Sections 10 and 404 Wetlands
- 52.8 acres of Section 404 Waters of the US
- 56.3 acres of Section 10 Waters of the US

Waters of the U.S. subject to Section 10 jurisdiction are determined by the portion of the project located within the Mississippi River batture below the 44-foot elevation contour. This acreage is influenced by the accuracy of the DGPS unit utilizing real-time corrections and ESRI® ArcMap Version 10.2 drafting software.

The USACE under the authority of the Clean Water Act, Section 404 and the Rivers and Harbor Act, Section 10 has the responsibility to make the final determination of the location and extent of jurisdictional wetlands, other waters of the US and navigable waters on this property, respectively. This report represents the opinion of the investigators and should be considered preliminary until final concurrence is obtained from the New Orleans District Army Corps of Engineers office.

6.0 LITERATURE CITED

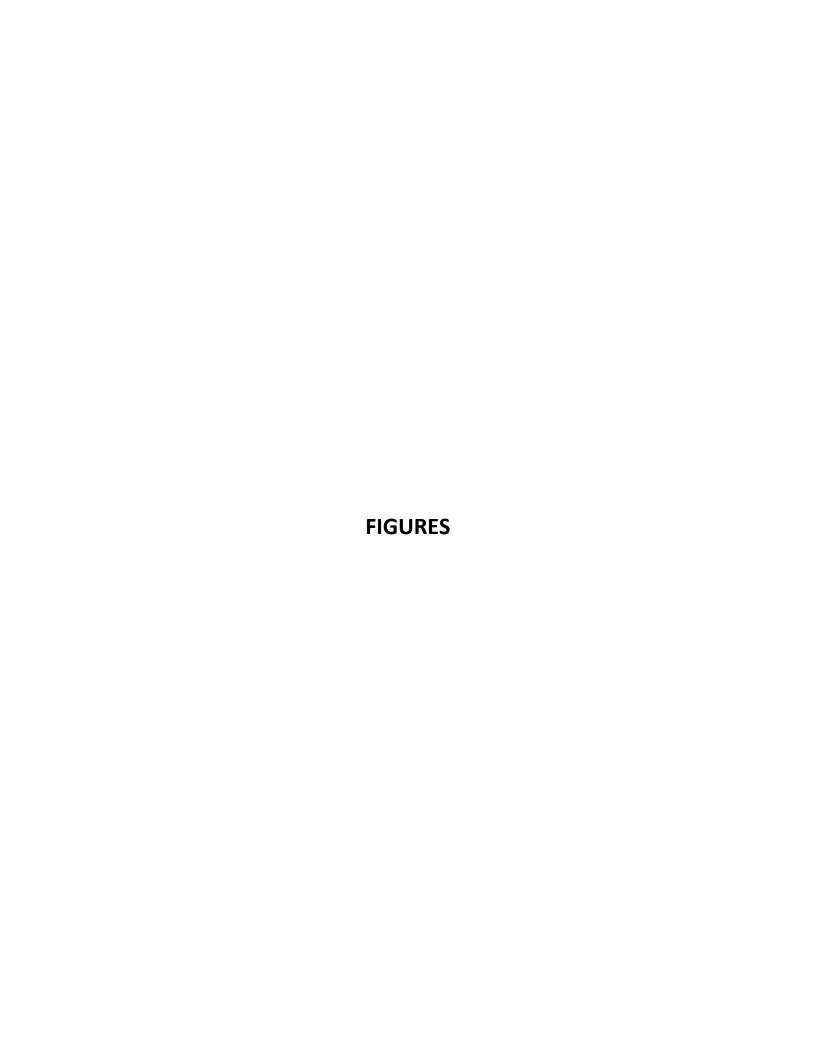
- Lichvar, R.W., M. Butterwick, N.C. Melvin, W.N. Kirchner. 2014. The National Wetland Plant List. 2014 ratings. Phytoneuron 2014 41: 1-42.
- Natural Resources Conservation Service [NRCS]. 2014. National Hydric Soils List. US

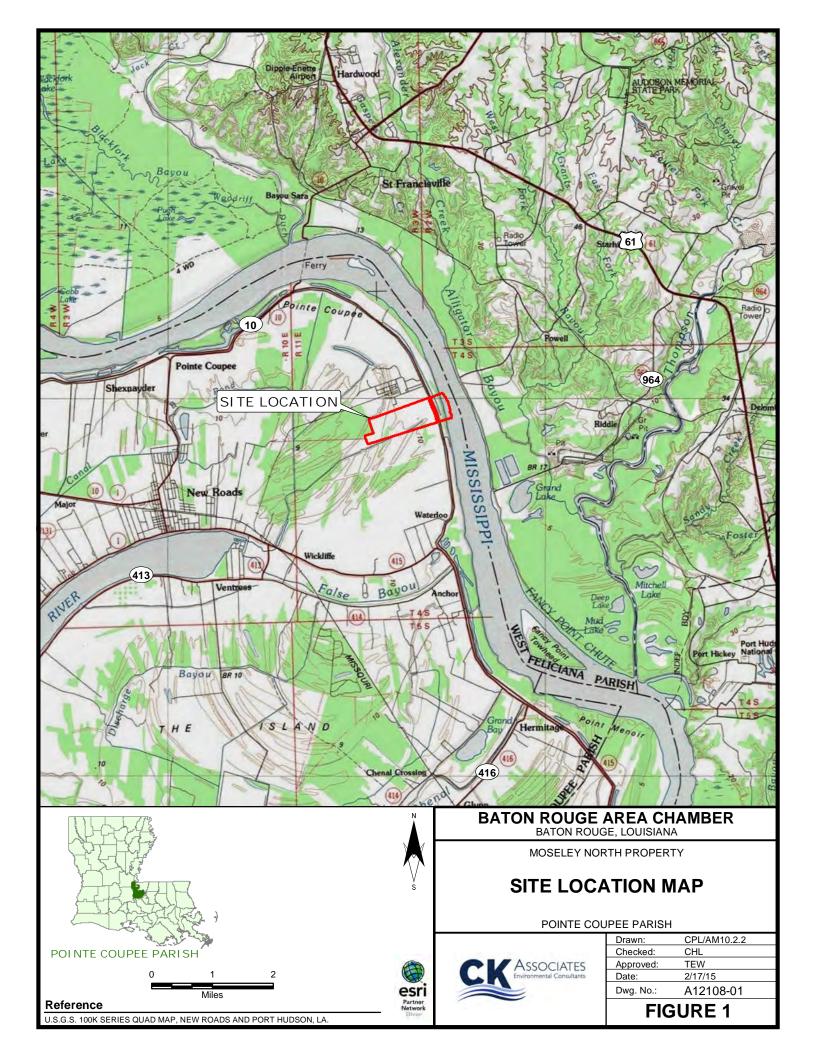
 Department of Agriculture, Natural Resources Conservation Service, Soil

 Survey Staff. http://websoilsurvey.nrcs.usda.gov/app/. Accessed 16 February 2015.
- Natural Resources Conservation Service [NRCS]. 2015a. Official Soil Series Descriptions. US Department of Agriculture, Natural Resource Conservation Service. http://soils.usda.gov/technical/classification/osd/index.html. Accessed 16 February 2015.
- Natural Resources Conservation Service [NRCS]. 2015b. PLANTS Database. US Department of Agriculture, Natural Resource Conservation Service. http://plants.usda.gov/index.html. Accessed 16 February 2015.
- Natural Resources Conservation Service [NRCS]. 2015c. Web Soil Survey. US

 Department of Agriculture, Natural Resources Conservation Service, Soil Survey
 Staff. http://websoilsurvey.nrcs.usda.gov/app/. Accessed 16 February 2015.
- US Army Corps of Engineers [USACE] Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1. Vicksburg, MS: US Army Engineer Waterways Experiment Station.
- US Army Corps of Engineers [USACE]. 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0), ed. J.S. Wakeley, R.W. Lichvar, and C.V. Noble. ERDC/EL TR-10-20. Vicksburg, MS: US Army Engineer Research and Development Center.
- US Department of Agriculture [USDA]. Natural Resource Conservation Service. 2006. Land Resource Regions and Major Land Resource Areas of the United States, the Carribean, and the Pacific Basin. US Department of Agriculture Handbook 296.
- US Department of Agriculture [USDA]. Natural Resources Conservation Service. 2010.

 Field Indicators of Hydric Soils in the United States, Version 7.0. ed. L.M. Vasilas,
 G.W. Hart, and C.V. Noble. USDA, NRCS, in cooperation with the National
 Technical Committee for Hydric Soils.



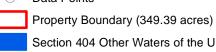




800

Feet

1,600



Section 404 Other Waters of the US (1.31 acres)

Section 404 Wetlands (56.67 acres)

Section 10 & Section 404 Wetlands (49.5 acres)

Section 404 Waters of the US (52.8 acres)

Section 10 Waters of the US (56.3 acres)

REFERENCE

IMAGERY: 2013 NAIP, Louisiana Mosaic



MOSELEY NORTH PROPERTY

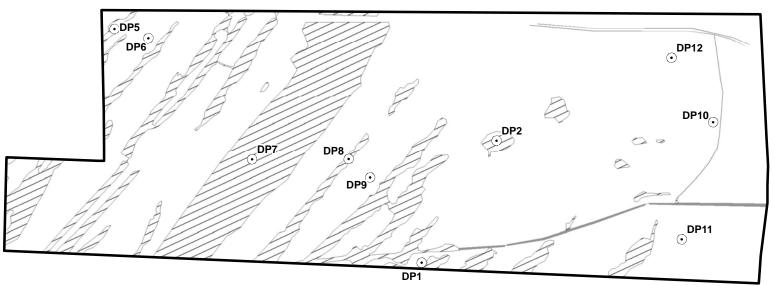
WETLANDS MAP

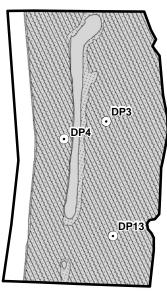
POINTE COUPEE PARISH

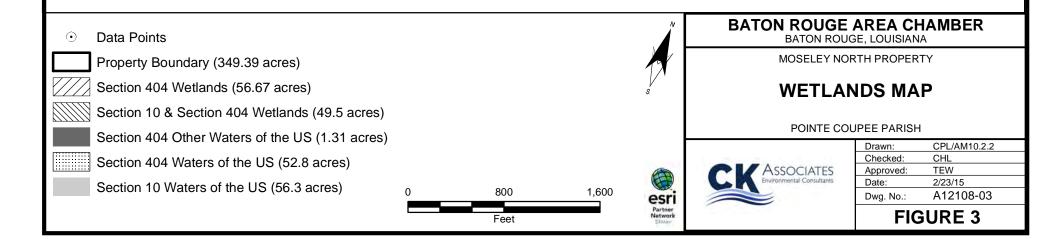


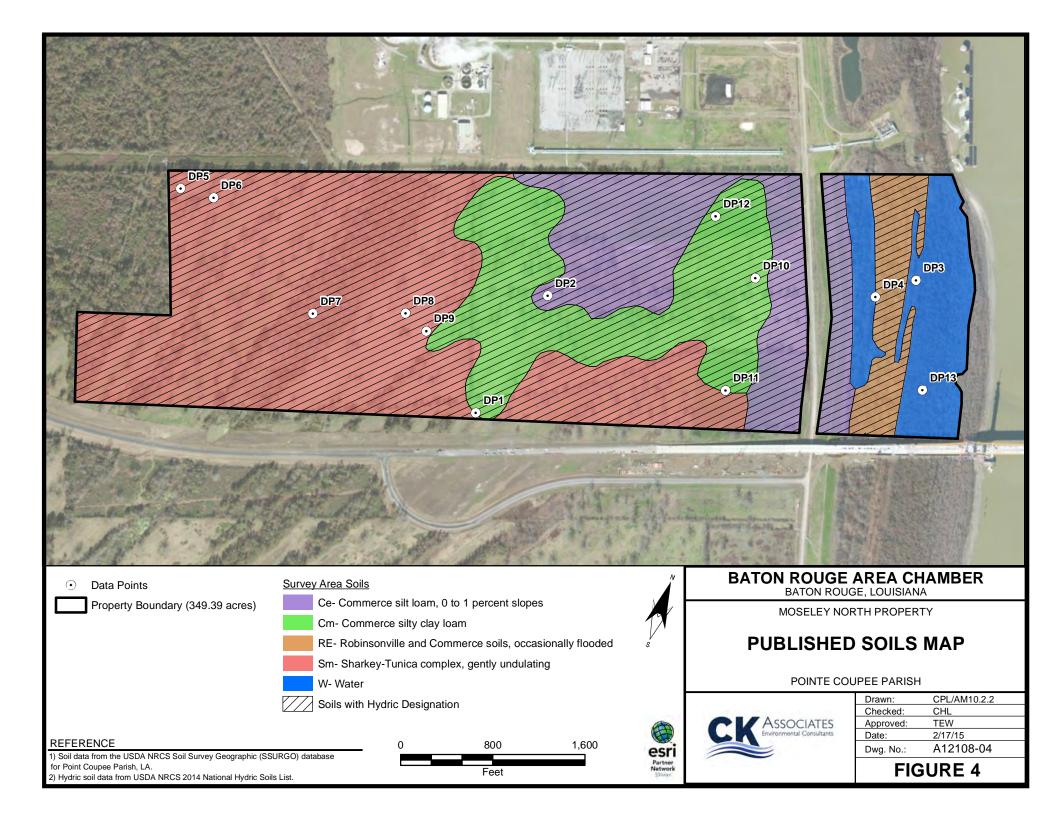
Drawn:	CPL/AM10.2.2
Checked:	CHL
Approved:	TEW
Date:	2/24/15
Dwg. No.:	A12108-02

FIGURE 2











Project/Site	Moseley South Site	Ci	ity/County: Ven	tress/Pointe Co	oupee S	Sampling Date:	2/13/20	015	
Applicant/Owner:	Baton Rouge Area	Chamber (BRAC	C) State:	LA		Sampling Point:	DP1	I	
Investigator(s):	Carolyn Le	Sieur	Section	Township, Ra	ange:	Section 12, Towr	nship 4S, Rar	nge 11E	
Landform (hillslope, ter	race, etc.): histor	c floodplain	Local relief (c	oncave, conve	ex, none)	: none	Slope (%):	0-1	
Subregion (LRR or MLI	RA): LRR O	Lat: 3	0.703882	Long:	-9	1.365433	Datum:	NAD 83	
Soil Map Unit Name	Ce: (Commerce silt lo	am	NWI	Classifica	ation:	N/A		
Are climatic/hydrologic	conditions of the site t	ypical for this tim	e of the year?	Yes (If	no, expla	ain in remarks)			
Are vegetation	_ , soil , or	hydrology	significantly d	isturbed? A	Are "norm	nal circumstances	s" present?	Yes	
Are vegetation	, soil , or	hydrology	naturally prob	lematic? ((If needed	d, explain any an	swers in rem	arks.)	
SUMMARY OF FIN	DINGS Attach	site map show	ing sampling	point location	ons, tran	sects, importa	nt features,	etc.	
Hydrophytic vegeta	ation present?	No	T					_	
Hydric soil present	?	Yes	Is the	Sampled Are	ea withir	n a Wetland?	No		
Indicators of wetlar	nd hydrology present?	No	10	Oumpion	Cu	II a Tronana.	140		
Remarks:			-1						
L HYDROLOGY									
Wetland Hydrology In									
Primary Indicators (min		d: check all that	ар	Seco	ondary Inc	dicators (minimu	m of two real	uired)	
Surface Water (A1)		Aquatic Fau		<u> </u>	-	ce Soil Cracks (B	•	uli Cu,	
High Water Table (A	12)	 ·	ts (B15) (LRR U	-		sely Vegetated Co	,	△ (B8)	
Saturation (A3)	(2)			fide Odor (C1) Drainage Patterns (B10)					
Water Marks (B1)				_		eason Water Tab			
Sediment Deposits ((Pa)	Oxidized Rh Roots (C3)	izospheres on L	iving _		Trim Lines (B16)	16 (02)		
Drift Deposits (B3)	(DZ)		Reduced Iron (ish Burrows (C8)			
Algal Mat or Crust (E	D/1\		,	_		ation Visible on A	orial Imagery	(Ca)	
Iron Deposits (B5)	54)	Recent Iron Soils (C6)	Reduction in Til	ed _		norphic Position (E		(09)	
· ` ` '	n Aerial Imagery (B7)	Thin Muck S	Surface (C7)	_		ow Aquitard (D3)	72)		
Water-Stained Leav			ain in Remarks)			. ,			
Water-Stained Leav	es (ba)	Other (Expre	dili ili Nemanoj	_		C-Neutral Test (D5) hagnum moss (D8) (LRR T, U)			
				-		giluin moss (20) (LIKIC 1, O,		
Field Observations:									
Surface water present?	Yes	No X Depti	n (inches):						
Water table present?			n (inches):			Wetland	No		
Saturation present?			n (inches):			Hydrology Present?			
(includes capillary fring			T (IIIO1103).			11000111.			
Describe recorded data		oring well, aerial	Inhotos previo	ue inenections	e\ if avail	ahla.			
Describe recorded data	(Stream gauge, mont	oring well, aerial	i priotos, previo	us mapeonoma	s), ii avaii	able.			
Demarker									
Remarks:									

/EGETATION Use scientific names of plan	nts.			Sampling Point:	DP1
	Abcoluto	Dominant	Indicator	Dominance Test Worksheet	
<u>Tree Stratum</u> (Plot size: N/A)	Absolute		Indicator	Number of Dominant	
<u>Tree Stratum</u> (Plot size: N/A)	% Cover	Species	Staus	Species that are OBL,	
1				•) (A)
2				Total Number of Dominant	``´
3					1 (B)
				opecies Across all ottata.	(D)
4				Percent of Dominant Species	
5				that are OBL, FACW, or	
6				FAC: 0.0	0% (A/B)
7	-				
8					
	0	Total Cove			
50% of total cover: 0	20% of to	otal cover:	0	Prevalence Index Worksheet	
				Total % Cover of:	
Continue/Chrush Chrotum (Diet einer N/A	`				0
Sapling/Shrub Stratum (Plot size: N/A	_)			OBL species 0 x 1 =	0
1				FACW species 0 x 2 =	0
2				FAC species 0 x 3 =	0
3				FACU species 85 x 4 = 3	340
4				UPL species 0 x 5 =	0
5				<u> </u>	340 (B)
<u> </u>				Column totals 05 (A)	(D)
					4
7				Prevalence Index = B/A =	4
8					
	0	=Total Cove			
F00/ - f1-1-1 0				Harley Harley Warner Complete Parks	
50% of total cover: 0	20% of to	otal cover:	0	Hydrophytic Vegetation Indicato	
				Rapid test for hydrophytic vege	etation
Herb stratum (Plot size: 30 feet)			Dominance test is >50%	
1 Paspalum notatum	_' 85	Υ	FACU	Prevalence index is ≤3.0*	
·		<u> </u>	17.00		
2				Problematic hydrophytic	
3				vegetation* (explain)	
4				*Indicators of hydric soil and wetland hydr	rology must
5				be present, unless disturbed or probl	
6				Definitions of Four Vegetation St	trata
7					
				Tree- Woody plants, excluding woo	
8				approximately 20 ft (6m) or more in	n height and
9				less than 3 in. (7.6 cm) DBH.	
0					
1	-			Sanling/Shrub Woody plants av	aludina vina
2				Sapling/Shrub - Woody plants, expless than 3 in. DBH and greater that	
		Tatal Caus		=	an 3.20 it (ii
		Total Cove		tall	
50% of total cover: 42.5	20% of to	otal cover:	17	Herb - All herbaceous (non-woody)) plants,
		_		including herbaceous vines, regard	
Woody vine stratum (Plot size: N/A)			and woody plants, except woody vi	
1	<u>-</u> ′			approximately 3 ft (1 m) in height.	55, .555 (11
·				Woody vine - All woody vines, reg	ardless of
2				height.	araiooo UI
3					
4					
5				Hydrophytic	
	0	Total Cove		Vegetation No	
				Present?	
50% of total cover: 0	20% of to	otal cover:	0	rieseiit?	
Remarks: (If observed, list morphological	adantation	s helow)			
ivernarys. (ii observed, list morphological	auapialiuli	s n c iow).			

SOIL								Sampling Point:	DP1			
Profile Desc	cription: (Describe	to the c	lepth need	led to d	docume	ent the indic	ator or confirm	the absence o	f indicators.)			
Depth	<u>Matrix</u>				Redo	x Features						
(Inches)	Color (moist)	%	Color (n	noist)	%	Type*	Loc**	Texture	Remarks			
0-16	10YR 4/2	80	10YR	4/6	20	С	М	clay				
	Concentration, D = D	epletion	, RM = Red	duced N	/latrix, M	IS = Masked	Sand Grains.		PL = Pore Lining, M = Matrix			
-	il Indicators:								r Problematic Hydric Soils:			
	sol (A1)		_	_			88) (LRR S, T, U)		ck (A9) (LRR O)			
	c Epipedon (A2)			_		face (S9) (LR	-		ck (A10) (LRR S)			
	k Histic (A3)			_	-	/ Mineral (F1			Vertic(F18) (outside MLRA 150A,B)			
	rogen Sulfide (A4)			_		d Matrix (F2)			t Floodplain Soils (F19) (LRR P, S, T)			
	tified Layers (A5)		_	_	eted Mat			Anomolous Bright Loamy Soils (F20) (MLRA 153B)				
	anic Bodies (A6) (LR		_	_		Surface (F6)	•					
	n Mucky Mineral (A7) k Presence (A8) (LR			_		k Surface (F ssions (F8)	7)					
	n Muck (A9) (LRR P ,	-		_	(F10) (L l			Very Shallow Dark Surface (TF12) Other (explain in remarks)				
	leted Below Dark Su		11)	_		ric (F11) (ML I	RA 151)	Other (ex	cpiain in remarks)			
	k Dark Surface (A12	-		_			(F12) (LRR O, P	. T)				
	st Prairie Redox (A1		A 150A)	_		ce (F13) (LR	indicators of hydrophytic vegetation					
	dy Mucky Mineral (S	, ,	<u> </u>	_		(F17) (MLR<i>A</i>	-	unless disturbed or problematic				
	dy Gleyed Matrix (S			_			MLRA 150A, 150B)					
	dy Redox (S5)	-,		_			oils (F19) (MLRA 149A)					
	ped Matrix (S6)			_			pamy Soils (F20) (MLRA 149A, 153C, 153D)					
	Surface (S7) (LRR	P, S, T,	U)				, , ,					
Restrictive	Layer (if observed)	:										
Type:						•	Hydric So	il Yes				
	Depth (inches)	:				·	Present?	100				
Remarks:												



Vegetation at DP1 facing north taken 2/13/15



Vegetation at DP1 facing east taken 2/13/15



Vegetation at DP1 facing south taken 2/13/15



Vegetation at DP1 facing west taken 2/13/15



Soil profile at DP1 taken 2/13/15

Project/Site	Moseley South Site	Ci	ity/County: Ven	tress/Pointe Co	oupee S	Sampling Date:	2/13/20	015
Applicant/Owner:	Baton Rouge Area	Chamber (BRAC	C) State:	LA	s	sampling Point:	DP2	2
Investigator(s):	Carolyn Le	Sieur	Section	, Township, Ra	ange: S	Section 12, Towr	nship 4S, Rar	nge 11E
Landform (hillslope, ter	race, etc.): histor	ic floodplain	Local relief (c	oncave, conve	ex, none):	none	Slope (%):	0-1
Subregion (LRR or MLI	RA): LRR O	Lat: 3	30.70365	Long:	-9	1.361915	Datum:	NAD 83
Soil Map Unit Name	Ce: (Commerce silt lo	am	NWI (Classifica	tion:	N/A	
Are climatic/hydrologic	conditions of the site t	ypical for this tim	ne of the year?	Yes (If	no, expla	in in remarks)		
Are vegetation	_ , soil , or	hydrology	significantly d	isturbed? A	Are "norma	al circumstances	s" present?	Yes
Are vegetation	, soil , or	hydrology	naturally prob	lematic? (I	(If needed	, explain any an	swers in rem	arks.)
SUMMARY OF FIN	DINGS Attach	site map show	ing sampling	point locatio	ns, trans	sects, importa	nt features,	etc.
Hydrophytic vegeta	ation present?	No			_			
Hydric soil present	?	Yes	Is the	Sampled Are	ea within	a Wetland?	No	
Indicators of wetlar	nd hydrology present?	No	10	Odinpiod 7	Ca Wittin	la Honana.	140	
Remarks:			•					
L HYDROLOGY								
Wetland Hydrology In								
Primary Indicators (min		d: check all that	ap	Seco	ondary Inc	dicators (minimu	m of two real	uired)
Surface Water (A1)	Titlerin er en en en en en en en	Aquatic Fau		<u> </u>	-	e Soil Cracks (B		unca,
High Water Table (A	12)	 ·	its (B15) (LRR U	_		ely Vegetated Co	,	△ (R8)
Saturation (A3)	(2)		ulfide Odor (C1)	_		ige Patterns (B10		e (bo)
Water Marks (B1)				_		eason Water Tab		
Sediment Deposits ((Pa)	Oxidized Rh Roots (C3)	nizospheres on L	iving _		Trim Lines (B16)	16 (02)	
Drift Deposits (B3)	(DZ)		Reduced Iron (sh Burrows (C8)		
Algal Mat or Crust (E	D4\		,	_		ation Visible on A	orial Imagery	(Ca)
Iron Deposits (B5)	54)	Recent Iron Soils (C6)	Reduction in Til	led _		orphic Position (E		(03)
· ' '	n Aerial Imagery (B7)	Thin Muck S	Surface (C7)	_		w Aquitard (D3)	72)	
Water-Stained Leav			ain in Remarks)			W Aquitard (DS) Neutral Test (D5)		
Water-Stained Leav	es (ba)	Other (Expre	dili ili Nemanoj	_		num moss (D8) (LRR T, U)		
				_		mum moss (Do) (LIKIK I, O,	
Field Observations:								
Surface water present?	Yes	No X Depti	h (inches):					
Water table present?			h (inches):			Wetland	No	
Saturation present?			h (inches):			Hydrology Present?		
(includes capillary fring						I IOGOIR.		
Describe recorded data		oring well aerial	Inhotos previo	ue inenections	e) if availa	ahla·		
Describe recorded data	t (Stream gauge, morm	Ulling Well, acria	i priotos, previo	us mapeciiona	s), II avaiic	anie.		
Demarker								
Remarks:								

/EGETATION Use scientific names of pla	ınts.			Sampling Point:	DP2
Tree Stratum (Plot size: N/A)	Absolute % Cover	Dominant Species	Indicator Staus	Dominance Test Worksheet Number of Dominant	
1	70 COV CI	Орсско	Otaus	Species that are OBL, FACW, or FAC: 0	(A)
2 3				Total Number of Dominant Species Across all Strata: 1	(B)
4				Percent of Dominant Species	_` ′
56				that are OBL, FACW, or FAC: 0.00%	(A/B)
7 8					
<u> </u>	0 =	Total Cove			
50% of total cover: 0	20% of to	tal cover:	0	Prevalence Index Worksheet	
Sapling/Shrub Stratum (Plot size: N/A	١			Total % Cover of: OBL species 0 x 1 = 0	
11	_' 			FACW species 0 x 2 = 0	_
23				FAC species $0 \times 3 = 0$ FACU species $65 \times 4 = 260$	_
4				UPL species $0 \times 5 = 0$	_
5 6				Column totals 65 (A) 260	(B)
7				Prevalence Index = B/A = 4	ī
8	0 =	Total Cove			
50% of total cover: 0	20% of to		0	Hydrophytic Vegetation Indicators:	
	_			Rapid test for hydrophytic vegetation	n
Herb stratum (Plot size: 30 feet 1 Paspalum notatum	_ ⁾ 65	Υ	FACU	Dominance test is >50% Prevalence index is ≤3.0*	
2				Problematic hydrophytic	
3				vegetation* (explain)	
5				*Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic	
6				Definitions of Four Vegetation Strata	
8				Tree - Woody plants, excluding woody vi approximately 20 ft (6m) or more in heig	
9				less than 3 in. (7.6 cm) DBH.	
10 11				Sapling/Shrub - Woody plants, excludir	na vines
12		Tatal Cause		less than 3 in. DBH and greater than 3.2	
50% of total cover: 32.5	65 = 20% of to	=Total Cove tal cover:	13	tall Herb - All herbaceous (non-woody) plan	nte
		_		including herbaceous vines, regardless	of size,
Woody vine stratum (Plot size: N/A 1	_)			and woody plants, except woody vines, approximately 3 ft (1 m) in height.	less tha
2				Woody vine - All woody vines, regardle height.	ss of
34				- J	
5				Hydrophytic	
50% of total cover: 0	0 = 20% of to	Total Cover	0	Vegetation No Present?	
Remarks: (If observed, list morphologica			<u> </u>	<u></u>	
Tomario. (ii observed, list morphologica	ι αυαριαιίυπ	s Delow).			

SOIL								Sampling Point:	DP2			
Profile Des	cription: (Describe	to the c	depth need	ded to	docume	ent the indic	ator or confirm	the absence o	f indicators.)			
Depth	<u>Matrix</u>				Redo	x Features						
(Inches)	Color (moist)	%	Color (r	noist)	%	Type*	Loc**	Texture	Remarks			
0-16	10YR 4/2	70	10YR	4/6	30	С	М	clay				
	Concentration, D = D	epletion	, RM = Red	duced N	/latrix, N	1S = Masked	Sand Grains.		PL = Pore Lining, M = Matrix			
-	oil Indicators:								r Problematic Hydric Soils:			
	isol (A1)			_			88) (LRR S, T, U)		ck (A9) (LRR O)			
	ic Epipedon (A2)			_		face (S9) (LR	-		ck (A10) (LRR S)			
	ck Histic (A3)			_	-	y Mineral (F1			Vertic(F18) (outside MLRA 150A,B)			
	rogen Sulfide (A4)			_		d Matrix (F2)	1		t Floodplain Soils (F19) (LRR P, S, T)			
	tified Layers (A5)			_	eted Mat			Anomolous Bright Loamy Soils (F20) (MLRA 153B)				
	anic Bodies (A6) (LR		_	_		Surface (F6)	71	•	ant Matarial (TE2)			
	n Mucky Mineral (A7 k Presence (A8) (LF		P, I, U)			k Surface (F ssions (F8)	7)		ent Material (TF2)			
	n Muck (A9) (LRR P	-		_	х Берге (F10) (L			Very Shallow Dark Surface (TF12) Other (explain in remarks)				
	leted Below Dark Su			_		ric (F11) (ML l	RA 151)	Other (ex	cpiain in remarks)			
	k Dark Surface (A12	-	''' <u> </u>	_ `			(F12) (LRR O, P ,	T)				
	st Prairie Redox (A1		A 150A)	_		ce (F13) (LR	indicators of hydrophytic vegetal					
	dy Mucky Mineral (S	, ,	<u> </u>	_		(F17) (MLR	-	unless disturbed or problematic				
	dy Gleyed Matrix (S			_			/LRA 150A, 150B)					
	dy Redox (S5)	•,		_			bils (F19) (MLRA 149A)					
	pped Matrix (S6)			_			my Soils (F20) (MLRA 149A, 153C, 153D)					
	Surface (S7) (LRR	P, S, T,	U)	_		,	` ',	,	,			
Restrictive	Layer (if observed)	:										
Туре:						_	Hydric Soi	l Yes				
	Depth (inches)	:				-	Present?					
Remarks:												



Vegetation at DP2 facing north taken 2/13/15



Vegetation at DP2 facing east taken 2/13/15



Vegetation at DP2 facing south taken 2/13/15



Vegetation at DP2 facing west taken 2/13/15



Soil profile at DP2 taken 2/13/15

Project/Site	Moseley South Site	Cit	ty/County: Ven	tress/Pointe	Coupee	Sampling Date:	2/13/20	015
Applicant/Owner:	Baton Rouge Area	Chamber (BRAC	State:	LA		Sampling Point:	DP3	3
Investigator(s):	Carolyn Le	eSieur	Section	Township,	, Range:	Section 12, Tow	ınship 4S, Rar	nge 11E
Landform (hillslope, te	rrace, etc.): histor	ric floodplain	Local relief (c	oncave, co	nvex, none	e):none	Slope (%):	0-1
Subregion (LRR or ML	.RA): LRR O	Lat:30	0.702126	Long:		-91.362931	Datum:	NAD 83
Soil Map Unit Name	Ce:	Commerce silt loa	am	N\	VI Classifi	cation:	N/A	
Are climatic/hydrologic	conditions of the site	typical for this time	e of the year?	Yes	(If no, exp	olain in remarks)		
Are vegetation	, soil, oi	r hydrology	significantly d	isturbed?	Are "nor	mal circumstance	es" present?	Yes
Are vegetation		r hydrology	_naturally prob		•	ed, explain any aı		,
SUMMARY OF FIN	IDINGS Attach	site map showi	ing sampling	point loca	tions, tra	insects, importa	ant features,	, etc.
Hydrophytic vegeta	ation present?	No						
Hydric soil present	:?	No	Is the	Sampled .	Area with	nin a Wetland?	No	
Indicators of wetla	nd hydrology present?	No		•				
Remarks:								
HYDROLOGY								
Wetland Hydrology In	ndicators:			_	_			_
Primary Indicators (mir	nimum of one is require	ed; check all that a	<u>ap</u>	S	econdary I	ndicators (minimu	um of two requ	uired)
Surface Water (A1)		Aquatic Faur	na (B13)		Surf	ace Soil Cracks (E	36)	
High Water Table (/	42)	Marl Deposit	ts (B15) (LRR U)	Spa	arsely Vegetated Concave Surface (B8)		
Saturation (A3)		Hydrogen Su	ulfide Odor (C1)		Drai	iinage Patterns (B10)		
Water Marks (B1)		Oxidized Rhi	zospheres on Living Dry-Season Water Table (C2)					
Sediment Deposits	(B2)	Roots (C3)	1200p	.•9	Mos	s Trim Lines (B16))	
Drift Deposits (B3)		Presence of	Reduced Iron (0	C4)	Cray	fish Burrows (C8)		
Algal Mat or Crust (B4)	Recent Iron I	Reduction in Tilled Saturation Visible on Aerial Imagery (C9)					(C9)
Iron Deposits (B5)		Soils (C6)	Geomorphic Position (D2)					
Inundation Visible of	on Aerial Imagery (B7)	Thin Muck S	surface (C7)		Sha	llow Aquitard (D3)		
Water-Stained Leav	/es (B9)	Other (Explai	in in Remarks)		FAC	-Neutral Test (D5))	
					Sph	agnum moss (D8)	(LRR T, U)	
Field Observations:								
Surface water present	? Yes	No X Depth	n (inches):			Wetland		
Water table present?	Yes	No X Depth	n (inches):			Hydrology	No	
Saturation present?	Yes	No X Depth	n (inches):			Present?		
(includes capillary fring	je)							
Describe recorded data	a (stream gauge, moni	toring well, aerial	photos, previo	us inspectio	ons), if ava	ailable:		
Remarks:								

'EGETATION Use scientific names of plan	nts.			Sampling Point:	DP3
	Abcoluto	Dominant	Indicator	Dominance Test Worksheet	
<u>Tree Stratum</u> (Plot size: N/A)	Absolute		Indicator	Number of Dominant	
<u>Tree Stratum</u> (Plot size: N/A)	% Cover	Species	Staus	Species that are OBL,	
1				FACW, or FAC:	(A)
2				Total Number of Dominant	
3				Species Across all Strata: 1	(B)
<u> </u>					(2)
-				Percent of Dominant Species	
<u> </u>				that are OBL, FACW, or	00/ /4/5
6				FAC: 0.00	0% (A/B
7					
8					
	0 :	= Total Cove	•		
FOO/ of total covery O		otal cover:		Prevalence Index Worksheet	
50% of total cover: 0	20% 01 10	nai cover.	0		
				Total % Cover of:	
apling/Shrub Stratum (Plot size: N/A)			OBL species 0 x 1 =	0
1	.′				0
2					0
3	· ——			·	60
4					0
5				Column totals 40 (A) 1	60 (B)
6					_
7				Prevalence Index = B/A =	4
3				_	
		Total Carre			
		=Total Cove			
50% of total cover: 0	20% of to	otal cover:	0	Hydrophytic Vegetation Indicator	rs:
				Rapid test for hydrophytic vege	tation
Herb stratum (Plot size: 30 feet)			Dominance test is >50%	
1 Paspalum notatum	40	Υ	FACU	Prevalence index is ≤3.0*	
· · · · · · · · · · · · · · · · · · ·	40		1 700		
2				Problematic hydrophytic	
3				vegetation* (explain)	
4				*Indicators of hydric soil and wetland hydro	ology must
5				be present, unless disturbed or proble	
6				Definitions of Four Vegetation St	rata
7				_	
				Tree- Woody plants, excluding woo	
8 <u></u>				approximately 20 ft (6m) or more in	height and
9				less than 3 in. (7.6 cm) DBH.	
0					
1	-			Sapling/Shrub - Woody plants, exc	cluding ving
2				less than 3 in. DBH and greater tha	
	40	Total Cove		tall	0.20 11 (1
F00/ of total covers 00					
50% of total cover: 20	∠U% OT to	otal cover:	8	Herb - All herbaceous (non-woody)	
				including herbaceous vines, regard	
Noody vine stratum (Plot size: N/A)			and woody plants, except woody vii	nes, less th
1				approximately 3 ft (1 m) in height.	
2				Woody vine - All woody vines, rega	ardless of
 3				height.	
- 4					
<u> </u>					
5				Hydrophytic	
	0 :	=Total Cove	•	Vegetation No	
50% of total cover: 0	20% of to	tal cover:	0	Present?	
			-	1	
Remarks: (If observed, list morphological	adaptation	s below).			
· · ·					

SOIL						S	Sampling Point:	DP3				
Profile Desc	cription: (Describe	to the c	lepth needed to	docume	ent the indic	ator or confirm t	he absence of	f indicators.)				
Depth	<u>Matrix</u>			Redo	x Features							
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Remarks				
0-8	10YR 4/3	90	10YR 4/6									
8-10	10YR 4/1	70	10YR 5/8	30	С	clay						
10-16	10YR 5/3	80	10YR 5/8	20	С	М	sandy silt					
*Type: C = C	Concentration, D = D	epletion	RM = Reduced N	/latrix, N	IS = Masked	Sand Grains.	**Location: P	L = Pore Lining, M = Matrix				
Hydric So	il Indicators:						Indicators fo	r Problematic Hydric Soils:				
Histi	sol (A1)		Polyv	alue Belo	ow Surface (S	88) (LRR S, T, U)	1 cm Mud	ck (A9) (LRR O)				
Histi	c Epipedon (A2)		Thin I	Dark Sur	face (S9) (LR	R S, T, U)	2 cm Muc	ck (A10) (LRR S)				
Blac	k Histic (A3)		Loam	y Mucky	/ Mineral (F1)	Reduced '	Vertic(F18) (outside MLRA 150A,B)				
Hydr	rogen Sulfide (A4)		Loam	y Gleye	d Matrix (F2)		Piedmont	Floodplain Soils (F19) (LRR P, S, T)				
	tified Layers (A5)			eted Mat	rix (F3)		Anomolous Bright Loamy Soils (F20) (MLF					
Orga	anic Bodies (A6) (LR	R P, T, I	J) Redo	x Dark S	Surface (F6)		153B)					
5 cm	Mucky Mineral (A7) (LRR I	P, T, U) Deple	eted Dar	k Surface (F	7)	Red Pare	nt Material (TF2)				
Mucl	k Presence (A8) (LR	RR U)	Redo	x Depre	ssions (F8)		Very Shallow Dark Surface (TF12)					
1 cm	Muck (A9) (LRR P	, T)		(F10) (L	-		Other (explain in remarks)					
Depl	leted Below Dark Su	ırface (A	<i>'</i>		ric (F11) (MLI	-						
	k Dark Surface (A12	•		_		(F12) (LRR O, P,	T)	*Indicators of hydrophytic vegetation				
	st Prairie Redox (A1			ic Surfa	ce (F13) (LR	R P, T, U)		and weltand hydrology must be presen unless disturbed or problematic				
	dy Mucky Mineral (S				(F17) (MLRA	-	uniess disturbed of problematic					
	dy Gleyed Matrix (S	4)	Redu	ced Ver	tic (F18) (ML	RA 150A, 150B)						
	dy Redox (S5)				-	(F19) (MLRA 14	-					
	ped Matrix (S6)			nolous B	right Loamy	Soils (F20) (MLRA	A 149A, 153C,	, 153D)				
Dark	Surface (S7) (LRR	P, S, T,	U)									
Restrictive	Layer (if observed)):										
Туре:	Death Codes					Hydric Soil Present?	No					
	Depth (inches)					T TOOUTE.						
Remarks:												



Vegetation at DP3 facing north taken 2/13/15



Vegetation at DP3 facing east taken 2/13/15



Vegetation at DP3 facing south taken 2/13/15



Vegetation at DP3 facing west taken 2/13/15



Soil profile at DP3 taken 2/13/15

Project/Site	Moseley South Site	Cit	ty/County: Vent	tress/Pointe Coupee	Sampling Date:	2/13/	15	
Applicant/Owner:	Baton Rouge Area	a Chamber (BRAC	State:	LA	Sampling Point:	DP4	1	
Investigator(s):	Carolyn L	eSieur	Section,	Township, Range:	Section 12, Tow	nship 4S, Rar	nge 11E	
Landform (hillslope, te	errace, etc.): histo	ric floodplain	Local relief (c	oncave, convex, non	ne): none	Slope (%):	N/A	
Subregion (LRR or MI	LRA): LRR O	Lat: 30).701789	Long:	-91.370182	Datum:	NAD 83	
Soil Map Unit Name	Sm: Sharkey-Tu	unica complex, ger	ntly undulating	NWI Classif	ication:	N/A		
Are climatic/hydrologic	c conditions of the site	typical for this time	e of the year?	Yes (If no, exp	plain in remarks)			
Are vegetation	, soil, o	r hydrology	significantly d	sturbed? Are "no	rmal circumstance	s" present?	Yes	
Are vegetation	, soil , o	r hydrology	naturally prob	lematic? (If need	ded, explain any ar	nswers in rem	arks.)	
SUMMARY OF FI	NDINGS Attach	site map showi	ng sampling	point locations, tra	ansects, importa	ant features,	etc.	
Hydrophytic vege	tation present?	No				_	_	
Hydric soil presen	ıt?	Yes	ls the	Sampled Area wit	hin a Wetland?	No		
Indicators of wetla	and hydrology present?	No	Is the Sampled Area within a Wetland? No					
Remarks:			•					
HYDROLOGY								
Wetland Hydrology I	ndicators:							
Primary Indicators (mi	inimum of one is requir	ed; check all that	<u>ap</u>	Secondary	Indicators (minimu	um of two requ	uired)	
Surface Water (A1		Aquatic Faur		•	face Soil Cracks (B			
High Water Table (- · · · · · 			parsely Vegetated Concave Surface (B8)			
Saturation (A3)		Sulfide Odor (C1) Drainage Patterns (B10)						
Water Marks (B1)				— Dry	-Season Water Tab			
Sediment Deposits	s (B2)	Oxidized Rhi Roots (C3)	zospheres on L	iving	ss Trim Lines (B16)			
Drift Deposits (B3)			Reduced Iron (0		ayfish Burrows (C8)			
Algal Mat or Crust			,		curation Visible on A	erial Imagery	(C9)	
Iron Deposits (B5)	(2.)	Recent Iron I Soils (C6)	Reduction in Till	<u></u>	omorphic Position (I		(00)	
	on Aerial Imagery (B7)	urface (C7) Shallow Aquitard (D3)						
-			in in Remarks)		C-Neutral Test (D5)			
- Water Stanied Lea	VOS (BO)	Other (Explain	iii iii rtomantoj		nagnum moss (D8)			
				<u> </u>		(
Field Observations:								
Surface water present	t? Yes	No X Depth	(inches):					
Water table present?	Yes		(inches):		Wetland	No		
Saturation present?	Yes		(inches):		Hydrology Present?			
(includes capillary frin								
Describe recorded da	ta (stream gauge, mon	itoring well, aerial	photos, previo	us inspections), if av	ailable:			
20001.00 10001.000 00	ia (on oam gaage, men	nog no, aona.	p.10100, p.0110	20op 00o), a.				
Remarks:								
rtomanto.								

/EGETATION Use scientific names of pla	ınts.			Sampling Point: D)P4
	Absolute	Dominant	Indicator	Dominance Test Worksheet	
Tree Stratum (Plot size: N/A)	% Cover	Species	Staus	Number of Dominant Species that are OBL,	(4)
1				FACW, or FAC: 0 Total Number of Dominant	_ (A)
3				Species Across all Strata: 1	(B)
4				Percent of Dominant Species	
56				that are OBL, FACW, or FAC: 0.00%	(A/B)
7					_(' ' ' ' '
8					
50% (1) (1)		Total Cove		Providence to the World Land	
50% of total cover: 0	_ 20% of to	tai cover:	0	Prevalence Index Worksheet Total % Cover of:	
Sapling/Shrub Stratum (Plot size: N/A)			OBL species 0 x 1 = 0	
1	_'			FACW species $0 \times 2 = 0$	_
2				FAC species $0 \times 3 = 0$	_
3	-			FACU species 90 x 4 = 360 UPL species 0 x 5 = 0	_
5				Column totals 90 (A) 360	(B)
6				Dravalence Index D/A A	
8				Prevalence Index = B/A = 4	
-	0 =	Total Cove	r		
50% of total cover: 0	20% of to	tal cover:	0	Hydrophytic Vegetation Indicators:	
				Rapid test for hydrophytic vegetation	n
Herb stratum (Plot size: 30 feet 1 Paspalum notatum	_) 90	Y	FACU	Dominance test is >50% Prevalence index is ≤3.0*	
2		<u>'</u>	17.00	Problematic hydrophytic	
3				vegetation* (explain)	
4				*Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic	
6				Definitions of Four Vegetation Strata	
7				Tree- Woody plants, excluding woody vi	ines,
89				approximately 20 ft (6m) or more in heig less than 3 in. (7.6 cm) DBH.	ht and
9 10				less than 3 in. (7.6 cm) DBn.	
11				Sapling/Shrub - Woody plants, excludir	
12	90 =	Total Cove		less than 3 in. DBH and greater than 3.2 tall	26 ft (1m
50% of total cover: 45	20% of to		18	Herb - All herbaceous (non-woody) plan	ite
	_	_		including herbaceous vines, regardless	of size,
Woody vine stratum (Plot size: N/A	_)			and woody plants, except woody vines, approximately 3 ft (1 m) in height.	less tha
2				Woody vine - All woody vines, regardles	ss of
3				height.	
45					
<u> </u>	0 =	Total Cove		Hydrophytic Vegetation No	
50% of total cover: 0	20% of to		0	Present?	
Remarks: (If observed, list morphologica	l adaptation:	s below).		•	
	•	,			

SOIL							,	Sampling Point:	DP4			
Profile Desc	cription: (Describe	to the c	lepth neede	ed to d	locume	nt the indic	ator or confirm t	he absence o	f indicators.)			
Depth			Redo	x Features								
(Inches)	Color (moist)	%	Color (moist) % Type*			Loc**	Texture	Remarks				
0-10	10YR 4/1	80	10YR 4				М	clay				
*Typo: C (Concentration D. D.	\onlotion	DM Dod	rood M	Actrix N	IC Mooked	Sand Crains	**Location: D	Doro Lining M. Motriy			
	Concentration, D = D	epietion	, RIVI = Real	ucea iv	iairix, iv	is = Masked	Sand Grains.		L = Pore Lining, M = Matrix r Problematic Hydric Soils:			
•				Dobaro	duo Pol	ou Curtooo (G	20\/IBB & T II\		-			
	sol (A1) c Epipedon (A2)			•			88) (LRR S, T, U)	1 cm Muck (A9) (LRR 0)				
	k Histic (A3)			Thin Dark Surface (S9) (LRR S, T, U)				2 cm Muck (A10) (LRR S) Reduced Vertic(F18) (outside MLRA 150A,B)				
	rogen Sulfide (A4)			Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2)				Piedmont Floodplain Soils (F19) (LRR P, S, T)				
	tified Layers (A5)		X	Depleted Matrix (F3)				Anomolous Bright Loamy Soils (F20) (MLRA 153B)				
	anic Bodies (A6) (LR	R P, T, I		Redox Dark Surface (F6)								
	n Mucky Mineral (A7)		-	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)				
Depl	Depleted Below Dark Surface (A11)				Depleted Ochric (F11) (MLRA 151)							
Thick Dark Surface (A12)				Iron-Manganese Masses (F12) (LRR O, P,				T)	*Indicators of hydrophytic vegetation			
Coast Prairie Redox (A16) (MLRA 150A)				Umbric Surface (F13) (LRR P, T, U)				and weltand hydrolo	and weltand hydrology must be present			
Sandy Mucky Mineral (S1) (LRR O, S)					Ochric ((F17) (MLR	151)		unless disturbed or problematic			
Sandy Gleyed Matrix (S4)					Reduced Vertic (F18) (MLRA 150A, 150B)							
Sandy Redox (S5)					Piedmont Floodplain Soils (F19) (MLRA 149A)							
	ped Matrix (S6)			Anom	olous B	right Loamy	Soils (F20) (MLR	A 149A, 153C	, 153D)			
Dark	Surface (S7) (LRR	P, S, T,	U)									
Restrictive	Layer (if observed)):										
Type:							Hydric Soi	Vac				
Depth (inches):				Present?			Present?	Yes				
Remarks:												
rtomanto.												



Vegetation at DP4 facing north taken 2/13/15



Vegetation at DP4 facing east taken 2/13/15



Vegetation at DP4 facing south taken 2/13/15



Vegetation at DP4 facing west taken 2/13/15



Soil profile at DP4 taken 2/13/15

Project/Site	Moseley South Site	Ci	ity/County: Ven	tress/Point	e Coupee	Sampling Date:	2/17/20)15
Applicant/Owner:	Baton Rouge Area (Chamber (BRAC	C) State:	LA	Α	Sampling Point:	DP5	
Investigator(s):	Carolyn LeSieur, Kal	le Wetekamm	Section	, Township	p, Range:	Section 12, Tow	nship 4S, Ran	ge 11E
Landform (hillslope, te	rrace, etc.): b	atture	Local relief (c	oncave, co	onvex, non	e): none	Slope (%):	N/A
Subregion (LRR or ML	LRA): LRR O L	Lat:3	0.705016	Long	: <u> </u>	-91.354482	Datum:	NAD 83
Soil Map Unit Name	RE: Robinsonville and C	Commerce soils,	occasionally flo	oded N	IWI Classifi	ication:	PFO/EM1A	
Are climatic/hydrologic	conditions of the site ty	pical for this tim	ne of the year?	Yes	(If no, exp	olain in remarks)		
Are vegetation	, soil, or I	hydrology	significantly d	isturbed?	Are "nor	rmal circumstance	es" present? `	Yes
Are vegetation	_	hydrology	_naturally prob		•	ed, explain any a		
SUMMARY OF FIN	NDINGS Attach s	ite map show	ing sampling	point loc	ations, tra	ansects, import	ant features,	etc.
Hydrophytic veget	ation present?	Yes						
Hydric soil present	t?	Yes	Is the	Sampled	I Area with	nin a Wetland?	No	
Indicators of wetla	nd hydrology present?	No		O anp	7		140	
Remarks:								
l								
HYDROLOGY								
Wetland Hydrology I	ndicators:							
	nimum of one is required	d; check all that	ар	<u> </u>	Second <u>ary</u>	Indicators (minim	um of two requ	uired)
Surface Water (A1)		Aquatic Fau		_	-	face Soil Cracks (E	•	
High Water Table (A	-	 ·	its (B15) (LRR U)		rsely Vegetated C		(B8)
Saturation (A3)	-		ulfide Odor (C1)			inage Patterns (B1		, (==)
Water Marks (B1)	-					-Season Water Tal		
Sediment Deposits	(R2)	Oxidized Rh Roots (C3)	nizospheres on L	iving		ss Trim Lines (B16		
Drift Deposits (B3)	-		Reduced Iron (24)		yfish Burrows (C8)	,	
Algal Mat or Crust (- 'R4\					uration Visible on A		rCa)
Iron Deposits (B5)	D4)	Recent Iron Soils (C6)	Reduction in Till	ed		omorphic Position (03,
	on Aerial Imagery (B7)	Thin Muck S	Surface (C7)			illow Aquitard (D3)		
Water-Stained Leav	-		ain in Remarks)			C-Neutral Test (D5)		
Waler-Stained Loan	/es (ba)	Outer (Expir	dili ili Nemano _j			ם-Neutral Test (D5) nagnum moss (D8)	,	
					<u> </u>	lagrium moos (Do,	(LIXIX 1, U)	
Field Observations:								
Surface water present	? Yes I	No X Depth	h (inches):					
Water table present?			h (inches):	$\overline{}$		Wetland	No	
Saturation present?			h (inches):	$\overline{}$		Hydrology Present?	140	
(includes capillary fring		110 / Debu	II (IIIOIICo).			i iesciii:		
	a (stream gauge, monito	oring well aeria	Inhotoe previo	us inspect	tions) if av	oilablo:		
Describe recorded dat	a (Stream gauge, mornic	Jiliy Well, actial	Ι μποιος, μισνιο	us mopeoi	.10115 <i>)</i> , 11 ave	allabie.		
D - marks:								
Remarks:								

VEGETATION Use scientific names of plan	ts.			Sampling Point: DP5
	Absolute	Dominant	Indicator	Dominance Test Worksheet
<u>Tree Stratum</u> (Plot size: 30 feet)	% Cover	Species	Staus	Number of Dominant
·	50	Y	FAC	Species that are OBL,
1 Acer negundo 2 Ostrya virginiana	15		FACU	FACW, or FAC: 6 (A)
3 Quercus nigra	10	N	FAC	Total Number of Dominant Species Across all Strata: 9 (B)
4 Celtis laevigata	10	N	FACW	``
5			TACW	Percent of Dominant Species
6				that are OBL, FACW, or FAC: 66.67% (A/B)
7				17.6. <u>66.6776</u> (77.8)
8				
	85	= Total Cove		
50% of total cover: 42.5		tal cover:	17	Prevalence Index Worksheet
50 % Of total cover. 42.5	20% OF IC	Lai Covei.	17	
				Total % Cover of:
Sapling/Shrub Stratum (Plot size: 30 feet))			OBL species x 1 =0
1 Ostrya virginiana	20	Υ	FACU	FACW species x 2 = 0
2 Acer negundo	10	Υ	FAC	FAC species x 3 = 0
3				FACU species x 4 = 0
4				UPL species x 5 = 0
5				Column totals (A) 0 (B)
6				Drawalan as Inday D/A
				Prevalence Index = B/A =
8				
	30	= Total Cove	r	
50% of total cover: 15	20% of to	otal cover:	6	Hydrophytic Vegetation Indicators:
				Rapid test for hydrophytic vegetation
Herb stratum (Plot size: 30 feet))			X Dominance test is >50%
1 Rubus trivialis	45	Y	FACU	Prevalence index is ≤3.0*
2 Vicia ludoviciana	20	Υ	FACU	Problematic hydrophytic
3 Viola sororia	20	Y	FAC	vegetation* (explain)
4 Smilax rotundifolia	5	N	FAC	*Indicators of hydric soil and wetland hydrology must
5				be present, unless disturbed or problematic
6				Definitions of Four Vegetation Strata
7				Tree- Woody plants, excluding woody vines,
8				approximately 20 ft (6m) or more in height and
9				less than 3 in. (7.6 cm) DBH.
10				
11				Sapling/Shrub - Woody plants, excluding vines,
12				less than 3 in. DBH and greater than 3.26 ft (1m)
500/ 2642421 22222 45		= Total Cove		tall
50% of total cover: 45	20% Of to	otal cover:	18	Herb - All herbaceous (non-woody) plants,
Woody vine stratum (Plot size: 30 feet)				including herbaceous vines, regardless of size,
1 Toxicodendron radicans	25	Υ	FAC	and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
2 Vitis rotundifolia	25	<u> </u>	FAC	Woody vine - All woody vines, regardless of
3 Smilax rotundifolia	25	<u> </u>	FAC	height.
4				
5				Undrambudia
	75	= Total Cove		Hydrophytic Vegetation Yes
50% of total cover: 37.5		tal cover:		Present?
			15	
Remarks: (If observed, list morphological a	adaptation	s below).		

SOIL								Sampling Point:	: DP5		
Profile Des	cription: (Describe	e to the c	lepth need	led to d	locume	ent the indic	ator or confirm t	he absence o	f indicators.)		
Depth	<u>Matrix</u>				Redo	x Features					
(Inches)	Color (moist)	%	Color (n	noist)	%	Type*	Loc**	Texture	Remarks		
0-2	10YR 2/2	100						silt loam			
2-16	10YR 4/2	70	10YR	5/6	30	С	М	silt loam			
*Type: C = 0	Concentration, D = D	Depletion	, RM = Red	duced N	1atrix, N	IS = Masked	Sand Grains.	**Location: F	PL = Pore Lining, M = Matrix		
Hydric Sc	oil Indicators:							Indicators fo	or Problematic Hydric Soils:		
Hist	isol (A1)			Polyva	alue Belo	ow Surface (S	88) (LRR S, T, U)		ck (A9) (LRR O)		
	ic Epipedon (A2)			_ Thin [Oark Sur	face (S9) (LR	R S, T, U)	2 cm Mu	ck (A10) (LRR S)		
	k Histic (A3)			_	-	y Mineral (F1			Vertic(F18) (outside MLRA 150A,B)		
	rogen Sulfide (A4)			_	-	d Matrix (F2))		t Floodplain Soils (F19) (LRR P, S, T)		
	tified Layers (A5)			_	ted Mat			Anomolous Bright Loamy Soils (F20) (ML 153B)			
	anic Bodies (A6) (LF		_	_		Surface (F6)		•			
	n Mucky Mineral (A7		P, T, U)	_		k Surface (F	7)		ent Material (TF2)		
	k Presence (A8) (LF	-	_	_	-	ssions (F8)			allow Dark Surface (TF12)		
	n Muck (A9) (LRR P	-		_	F10) (L	-	DA 454)	Other (ex	rplain in remarks)		
	leted Below Dark St	•	¹¹⁾	_		ric (F11) (ML	-	т\			
	k Dark Surface (A12 st Prairie Redox (A1	•	<u> </u>	_	_	ce (F13) (LR	(F12) (LRR O, P,	'')	*Indicators of hydrophytic vegetation and weltand hydrology must be present		
	dy Mucky Mineral (S			_		, , ,			unless disturbed or problematic		
	dy Gleyed Matrix (S		U, 3)	_		(F17) (MLR.⁄ tic (F18) (M L	.RA 150A, 150B)				
	dy Redox (S5)	4)		_			s (F19) (MLRA 14				
	oped Matrix (S6)			_		•	Soils (F20) (MLR	•	153D)		
	k Surface (S7) (LRR	P. S. T.	u)		ologo B	mignit Loamly	Cons (i 20) (iii2i)	A 140A, 1000	, 1002)		
	(
Restrictive	Layer (if observed):									
Type:		•					Hydric Soil	V.			
	Depth (inches)):				<u>.</u>	Present?	Yes			
Remarks:											



Vegetation at DP5 facing north taken 2/17/15



Vegetation at DP5 facing east taken 2/17/15



Vegetation at DP5 facing south taken 2/17/15



Vegetation at DP5 facing west taken 2/17/15



Soil profile at DP5 taken 2/17/15

Project/Site	Moseley South Site	Cit	y/County: Ven	tress/Pointe Coupe	e Sampling Date:	2/17/2015
Applicant/Owner:	Baton Rouge Area	a Chamber (BRAC) State:	LA	Sampling Point:	DP6
Investigator(s):	Carolyn LeSieur, K	Cale Wetekamm	Section	, Township, Range	e: Section 12, Tow	vnship 4S, Range 11E
Landform (hillslope, t	terrace, etc.):	batture	Local relief (c	concave, convex, r	one): none	Slope (%): N/A
Subregion (LRR or M	MLRA): LRR O	Lat:30	.705582	Long:	-91.354894	Datum: NAD 83
Soil Map Unit Name_	RE: Robinsonville and	Commerce soils,	occasionally fl	ooded NWI Clas	sification:	PFO/EM1A
Are climatic/hydrolog	ic conditions of the site	typical for this time	e of the year?	Yes (If no,	explain in remarks)	
Are vegetation	, soil, o	or hydrology	significantly o	listurbed? Are "	normal circumstance	es" present? Yes
Are vegetation		or hydrology	naturally prob	•		answers in remarks.)
SUMMARY OF F	INDINGS Attach	site map showi	ng sampling	point locations,	transects, import	ant features, etc.
Hydrophytic vege	•	Yes				
Hydric soil prese		Yes	Is the	Sampled Area v	vithin a Wetland?	Yes
Indicators of wet	land hydrology present?	? Yes		-		
Remarks:						
Remarks.						
HYDROLOGY						
Wetland Hydrology	Indicators:					
Primary Indicators (m	ninimum of one is requir	ed; check all that a	ар	Seconda	ry Indicators (minim	num of two required)
Surface Water (A	1)	Aquatic Faun	na (B13)		Surface Soil Cracks (F	B6)
High Water Table	(A2)	Marl Deposit	s (B15) (LRR U) <u>x</u> s	Sparsely Vegetated C	Concave Surface (B8)
Saturation (A3)		Hydrogen Su	ılfide Odor (C1)	X	Drainage Patterns (B1	10)
Water Marks (B1)		χ Oxidized Rhi:	zospheres on l	iving[Dry-Season Water Ta	able (C2)
Sediment Deposit	is (B2)	Roots (C3)	203piici63 0 2		Moss Trim Lines (B16	3)
Drift Deposits (B3	n)	Presence of	Reduced Iron (C4)	Crayfish Burrows (C8))
Algal Mat or Crust	t (B4)	Recent Iron I	Reduction in Til	<u>—</u> (Saturation Visible on A	Aerial Imagery (C9)
Iron Deposits (B5))	Soils (C6)	Veduction		Geomorphic Position	(D2)
Inundation Visible	e on Aerial Imagery (B7)	Thin Muck Su	urface (C7)		Shallow Aquitard (D3))
Water-Stained Le	aves (B9)	Other (Explai	in in Remarks)	X	AC-Neutral Test (D5	<i>i</i>)
					Sphagnum moss (D8)	(LRR T, U)
Field Observations:	:					
Surface water preser	nt? Yes	No X Depth	(inches):		Wetland	
Water table present?	Yes	No X Depth	(inches):		Hydrology	Yes
Saturation present?	Yes	No X Depth	(inches):		Present?	
(includes capillary fri	nge)					
Describe recorded da	ata (stream gauge, mon	itoring well, aerial	photos, previo	us inspections), if	available:	
Remarks:						
FAC-Neutral Tes	t: 4:0					

VEGETATION Use scientific names of plar	nts.			Sampling Point:	DP6
	Absolute	Dominant	Indicator	Dominance Test Worksheet	
<u>Tree Stratum</u> (Plot size: 30 feet)	% Cover	Species	Staus	Number of Dominant	
·		·		Species that are OBL,	
1 Forestiera acuminata	40	Y	OBL	FACW, or FAC: 5	(A)
2				Total Number of Dominant	
3				Species Across all Strata: 5	(B)
4				Percent of Dominant Species	
5				that are OBL, FACW, or	
6				FAC: 100.00	0% (A/B)
7					
8					
	40	= Total Cove	r		
50% of total cover: 20	20% of to	otal cover:	8	Prevalence Index Worksheet	
		_		Total % Cover of:	
Ossilias (Olas I. Otastasa (Plataira)	`				
Sapling/Shrub Stratum (Plot size: 30 feet)		0.51	OBL species x 1 = 0	
1 Forestiera acuminata	25	<u>Y</u>	OBL	FACW species x 2 = 0	
2 Cephalanthus occidentalis	20	<u> </u>	OBL	FAC species x 3 = 0	
3				FACU species x 4 = 0	
4				UPL species $x = 5 = 0$	
5				Column totals(A)0	(B)
6					
7				Prevalence Index = B/A =	
8					
	45	= Total Cove	r		
50% of total cover: 22.5	20% of to	otal cover:	9	Hydrophytic Vegetation Indicators	3 :
				Rapid test for hydrophytic vegeta	
Herb stratum (Plot size: 30 feet	١			X Dominance test is >50%	
1 Packera glabella	5	Υ	OBL	Prevalence index is ≤3.0*	
2					
				Problematic hydrophytic vegetation* (explain)	
3					
				*Indicators of hydric soil and wetland hydrol	
5				be present, unless disturbed or problem	
<u> </u>				Definitions of Four Vegetation Stra	ata
				Tree- Woody plants, excluding wood	
8				approximately 20 ft (6m) or more in h	neight and
9				less than 3 in. (7.6 cm) DBH.	
10					
11				Sapling/Shrub - Woody plants, exclu	uding vines
12				less than 3 in. DBH and greater than	3.26 ft (1m
		= Total Cove	r	tall	
50% of total cover: 2.5	20% of to	otal cover:	1	Herb - All herbaceous (non-woody) p	olants,
		_	_	including herbaceous vines, regardle	
Woody vine stratum (Plot size: 30 feet)			and woody plants, except woody vine	es, less thar
1 Vitis rotundifolia	70	Y	FAC	approximately 3 ft (1 m) in height.	
2				Woody vine - All woody vines, regar	rdless of
3				height.	
4					
5				Hydrophytic	
	70	= Total Cove	r	Vegetation Yes	
50% of total cover: 35		otal cover:	14	Present?	
Remarks: (If observed, list morphological	adaptation	s below).			

SOIL							;	Sampling Point:	DP6
Profile Des	cription: (Describe	to the c	depth need	led to d	locume	ent the indic	ator or confirm t	he absence o	f indicators.)
Depth	<u>Matrix</u>				Redo	x Features			
(Inches)	Color (moist)	%	Color (n	noist)	%	Type*	Loc**	Texture	Remarks
0-16	10YR 4/1	70	2.5YR	4/8	30	С	М	silty clay	
*Type: C = (Concentration, D = D	enletion	RM = Red	luced M	∕atrix M	IS = Masked	Sand Grains	**Location: P	L = Pore Lining, M = Matrix
	il Indicators:	cpiction	, IXIVI = IXO	adoca iv	iatrix, iv	io – Masked	Caria Grains.		r Problematic Hydric Soils:
-	sol (A1)			Polyva	alue Belo	ow Surface (S	88) (LRR S, T, U)		ck (A9) (LRR O)
	c Epipedon (A2)			_		face (S9) (LR			ck (A10) (LRR S)
	k Histic (A3)		-	_		/ Mineral (F1	-		Vertic(F18) (outside MLRA 150A,B)
	rogen Sulfide (A4)			_	-	d Matrix (F2)			t Floodplain Soils (F19) (LRR P, S, T)
	tified Layers (A5)	X	_	ted Mat			us Bright Loamy Soils (F20) (MLRA		
Orga	anic Bodies (A6) (LR	R P, T,	U)	Redo	x Dark S	Surface (F6)		153B)	
5 cm	n Mucky Mineral (A7) (LRR	P, T, U)	_ Deple	ted Dar	k Surface (F	7)	Red Pare	ent Material (TF2)
Muc	k Presence (A8) (LR	RR U)	. <u></u>	Redo	x Depre	ssions (F8)		Very Sha	llow Dark Surface (TF12)
1 cm	n Muck (A9) (LRR P	, T)		Marl (F10) (L l	RR U)		Other (ex	plain in remarks)
Dep	leted Below Dark Su	ırface (A	11)	Deple	ted Ochi	ric (F11) (ML	RA 151)		
Thic	k Dark Surface (A12	2)		Iron-N	/langane	ese Masses	(F12) (LRR O, P,	T)	*Indicators of hydrophytic vegetation
Coa	st Prairie Redox (A1	6) (MLR	A 150A)	Umbr	ic Surfa	ce (F13) (LR	R P, T, U)		and weltand hydrology must be present unless disturbed or problematic
San	dy Mucky Mineral (S	1) (LRR	O, S)	_		(F17) (MLR	-		unless disturbed of problematic
	dy Gleyed Matrix (S	4)		_			.RA 150A, 150B)		
	dy Redox (S5)			-		•	s (F19) (MLRA 14	•	
	oped Matrix (S6)		—	_Anom	olous B	right Loamy	Soils (F20) (MLR	A 149A, 153C	, 153D)
Dark	Surface (S7) (LRR	P, S, T,	U)						
Restrictive	Layer (if observed)	:							_
Туре:						_	Hydric Soi	Yes	
	Depth (inches)	:				•	Present?	163	
Remarks:									



Vegetation at DP6 facing north taken 2/16/15



Vegetation at DP6 facing east taken 2/16/15



Vegetation at DP6 facing south taken 2/16/15



Vegetation at DP6 facing west taken 2/16/15



Soil profile at DP6 taken 2/17/15

Project/Site	Moseley South Site	Cit	ty/County: Ven	tress/Pointe	Coupee	Sampling Date:	2/19/2	015
Applicant/Owner:	Baton Rouge Area	a Chamber (BRAC	State:	LA		Sampling Point:	DP	7
Investigator(s):	Carolyn LeSieur, K	ale Wetekamm	Section,	Township,	Range:	Section 12, Town	nship 4S, Ra	nge 11E
Landform (hillslope, to	errace, etc.): histo	ric floodplain	Local relief (c	oncave, cor	nvex, none): none	Slope (%):	N/A
Subregion (LRR or M	LRA): LRR O	Lat: 30	0.703818	Long:	-!	91.372797	Datum:	NAD 83
Soil Map Unit Name_	Sm: Sharkey-Tu	unica complex, ge	ntly undulating	NV	VI Classific	ation:	N/A	
Are climatic/hydrologi	c conditions of the site	typical for this time	e of the year?	Yes	(If no, expl	ain in remarks)		
Are vegetation	, soil, o	r hydrology	significantly d	isturbed?	Are "norn	nal circumstance	s" present?	Yes
Are vegetation	, soil, o	r hydrology	naturally prob	lematic?	(If neede	d, explain any an	nswers in rem	narks.)
SUMMARY OF FI	NDINGS Attach	site map showi	ng sampling	point loca	tions, trai	nsects, importa	nt features	, etc.
Hydrophytic vege	tation present?	Yes						
Hydric soil preser	ıt?	Yes	Is the	Sampled A	∆rea withi	in a Wetland?	Yes	
Indicators of wetla	and hydrology present?	Yes Yes	10	Odinpiou .	~!.u #!		103	
Remarks:								
i								
HADBOI UCA								
HYDROLOGY Wetland Hydrology I	ndicators:							
	inimum of one is requir	red: check all that:	an	Se	ocondary Ir	ndicators (minimu	ım of two rea	uired)
				<u> </u>				<u>uireuj</u>
X Surface Water (A1	,	Aquatic Faur		١		ace Soil Cracks (B		- (DO)
High Water Table (A2)		s (B15) (LRR U)		sely Vegetated Co		e (B8)
X Saturation (A3)		Hydrogen Su	ulfide Odor (C1)			nage Patterns (B10		
X Water Marks (B1)			izospheres on L	iving		Season Water Tab	` '	
X Sediment Deposits		Roots (C3)				Trim Lines (B16)		
Drift Deposits (B3)		Presence of	Reduced Iron (0	C4)		fish Burrows (C8)		
Algal Mat or Crust	(B4)		Reduction in Till	ed		ration Visible on A		(C9)
Iron Deposits (B5)		Soils (C6)				norphic Position ([D2)	
Inundation Visible	on Aerial Imagery (B7)	Thin Muck S	` ,		Shall	ow Aquitard (D3)		
X Water-Stained Lea	ves (B9)	Other (Expla	in in Remarks)			Neutral Test (D5)		
					Spha	gnum moss (D8)	(LRR T, U)	
Field Observations:								
Surface water present	t? Yes X	No Depth	inches):	3"		Wetland		
Water table present?	Yes	No X Depth	ı (inches):			Hydrology	Yes	
Saturation present?	Yes X	No Depth	(inches):	0"		Present?		
(includes capillary frin	ge)							
Describe recorded da	ta (stream gauge, mon	itoring well, aerial	photos, previo	us inspectio	ons), if avai	lable:		
Remarks:								
FAC-Neutral Test	: 4:0							

VEGETATION Use scientific names of plan	ts.			Sampling Point: DP7
	Absolute	Dominant	Indicator	Dominance Test Worksheet
<u>Tree Stratum</u> (Plot size: 30 feet)	% Cover	Species	Staus	Number of Dominant
1 Celtis laevigata	30	Υ	FACW	Species that are OBL, FACW, or FAC: 6 (A)
2 Quercus texana	30	Υ	FACW	Total Number of Dominant
3 Taxodium distichum	10	N	OBL	Species Across all Strata:6 (B)
4 Quercus nigra	10	N	FAC	Percent of Dominant Species
5 Salix nigra	5	N	OBL	that are OBL, FACW, or
6				FAC: 100.00% (A/B)
8				
·	85	= Total Cove		
50% of total cover: 42.5		tal cover:	17	Prevalence Index Worksheet
30% of total cover. 42.3	20 /0 01 10			Total % Cover of:
Sapling/Shrub Stratum (Plot size: 30 feet				
Sapling/Shrub Stratum (Plot size: 30 feet) 1 Quercus nigra	10	Υ	FAC	OBL species $x 1 = 0$ FACW species $x 2 = 0$
2 Quercus texana	10	<u> </u>	FACW	FAC species x 3 = 0
3		<u> </u>		FACU species x 4 = 0
4				UPL species x 5 = 0
5				Column totals (A) 0 (B)
6				
7				Prevalence Index = B/A =
8				
		= Total Cove		
50% of total cover: 10	20% of to	otal cover:	4	Hydrophytic Vegetation Indicators:
Had start as (District as 20 foots)				Rapid test for hydrophytic vegetation
Herb stratum (Plot size: 30 feet)	20	Υ	FAC	X Dominance test is >50% Prevalence index is ≤3.0*
1 Viola sororia 2 Iris fulva	10	<u> </u>	OBL	
3 Carex comosa	5		OBL	Problematic hydrophytic vegetation* (explain)
4				*Indicators of hydric soil and wetland hydrology must
5				be present, unless disturbed or problematic
6				Definitions of Four Vegetation Strata
7				Tree- Woody plants, excluding woody vines,
8				approximately 20 ft (6m) or more in height and
9				less than 3 in. (7.6 cm) DBH.
10				
12				Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.26 ft (1m)
·	35	= Total Cove		tall
50% of total cover: 17.5	20% of to	otal cover:	7	Herb - All herbaceous (non-woody) plants,
				including herbaceous vines, regardless of size,
Woody vine stratum (Plot size: N/A)			and woody plants, except woody vines, less than
1				approximately 3 ft (1 m) in height. Woody vine - All woody vines, regardless of
2				height.
3				-
5				Understadie
	0	= Total Cove		Hydrophytic Vegetation Yes
50% of total cover: 0		otal cover:	0	Present?
Remarks: (If observed, list morphological a	auapialion	a Delow).		

SOIL								Sampling Point:	DP7
Profile Des	cription: (Describe	to the c	depth need	led to d	docume	ent the indic	ator or confirm	the absence o	f indicators.)
Depth	<u>Matrix</u>				Redo	x Features			
(Inches)	Color (moist)	%	Color (r	noist)	%	Type*	Loc**	Texture	Remarks
0-16	10YR 4/1	80	10YR	5/8	20	С	М	silty clay	
									<u> </u>
	Concentration, D = D	epletion	, RM = Red	duced N	/latrix, IV	/IS = Masked	Sand Grains.		PL = Pore Lining, M = Matrix
-	oil Indicators:			Б.		0 1 1) (DD 0 T II)		r Problematic Hydric Soils:
	isol (A1)		_	_			88) (LRR S, T, U)		ck (A9) (LRR O)
	ic Epipedon (A2)			_		face (S9) (LR	-		ck (A10) (LRR S)
	ck Histic (A3) lrogen Sulfide (A4)			_	-	y Mineral (F1			Vertic(F18) (outside MLRA 150A,B) t Floodplain Soils (F19) (LRR P, S, T)
	itified Layers (A5)			_	y Gleye eted Mat	ed Matrix (F2))		. , , , , , , , , , , , , , , , , , , ,
	anic Bodies (A6) (LR	RPT		_		Surface (F6)		us Bright Loamy Soils (F20) (MLRA	
	n Mucky Mineral (A7)		_	_		k Surface (F	7)	153B)	ent Material (TF2)
	ck Presence (A8) (LR					essions (F8)	")		illow Dark Surface (TF12)
	n Muck (A9) (LRR P ,	-		_	(F10) (L				xplain in remarks)
	eleted Below Dark Su					ric (F11) (ML l	RA 151)		pian in remaine)
	ck Dark Surface (A12	-		_			, (F12) (LRR O, P ,	, T)	*Indicators of hydrophytic vegetation
	st Prairie Redox (A1		A 150A)	_		ce (F13) (LR		•	and weltand hydrology must be present
—— San	dy Mucky Mineral (S	1) (LRR	O, S)	– Delta	Ochric	(F17) (MLR	\ 151)		unless disturbed or problematic
—— San	dy Gleyed Matrix (S4	4)		- Redu	ced Ver	tic (F18) (ML			
San	dy Redox (S5)			– Piedn	nont Flo	odplain Soils	s (F19) (MLRA 1 4	49A)	
Strip	oped Matrix (S6)			Anom	olous B	Bright Loamy	Soils (F20) (MLF	RA 149A, 153C	, 153D)
Darl	k Surface (S7) (LRR	P, S, T,	U)						
Restrictive	Layer (if observed)	:							
Type:						_	Hydric Soi	il Yes	
	Depth (inches)	:				-	Present?		
Remarks:									



Vegetation at DP7 facing north taken 2/19/15



Vegetation at DP7 facing east taken 2/19/15



Vegetation at DP7 facing south taken 2/19/15



Vegetation at DP7 facing west taken 2/19/15



Soil profile at DP7 taken 2/19/15

Project/Site	Moseley South Site	Cit	ity/County: Ven	tress/Pointe	e Coupee	Sampling Date:	: 2/19/2	:015
Applicant/Owner:	Baton Rouge Area	Chamber (BRAC	C) State:	LA	\	Sampling Point	: DP8	8
Investigator(s):	Carolyn LeSieur, Ka	ale Wetekamm	Section	, Township	, Range:	Section 12, Tov	wnship 4S, Ra	nge 11E
Landform (hillslope, te	errace, etc.): histor	ic floodplain	Local relief (c	oncave, co	onvex, none	e): none	Slope (%):	N/A
Subregion (LRR or MI	LRA): LRR O	Lat:30	0.703761	Long:	•	-91.379587	Datum:	NAD 83
Soil Map Unit Name_	Sm: Sharkey-Tui	nica complex, ge	ntly undulating	N	WI Classifi	cation:	N/A	
Are climatic/hydrologic	c conditions of the site ty	ypical for this time	e of the year?	Yes	(If no, exp	olain in remarks)		
Are vegetation	, soil, or	hydrology	significantly d	listurbed?	Are "nor	mal circumstanc	es" present?	Yes
Are vegetation	, soil, or	hydrology	_naturally prob	lematic?	(If need	ed, explain any a	answers in rem	narks.)
SUMMARY OF FIR	NDINGS Attach	site map showi	ing sampling	point loca	ations, tra	ansects, import	tant features	, etc.
Hydrophytic veget	tation present?	Yes						
Hydric soil presen	ıt?	Yes	Is the	Sampled	Area with	nin a Wetland?	No	
Indicators of wetla	and hydrology present?	No		oup	7.102		110	
Remarks:			•					
I								
HYDROLOGY								
Wetland Hydrology I	ndicators:							
	inimum of one is require	ed: check all that	ар	S	Secondary I	Indicators (minim	num of two rea	wired)
Surface Water (A1)		Aquatic Faur		<u>~</u>	<u>-</u>	face Soil Cracks (<u>uncu,</u>
High Water Table (,	 ·	ts (B15) (LRR U	n		rsely Vegetated C	•	(R8)
	A2)							e (DO)
Saturation (A3)		Hydrogen Su	ulfide Odor (C1)			inage Patterns (B		
Water Marks (B1)	· (DO)		izospheres on L	iving		-Season Water Ta		
Sediment Deposits		Roots (C3)	Dadwood Iron (O 4\		ss Trim Lines (B16	•	
Drift Deposits (B3)			Reduced Iron (yfish Burrows (C8		(00)
Algal Mat or Crust	(B4)		Reduction in Til	led		uration Visible on		(C9)
Iron Deposits (B5)	^ lmagan/(P7)	Soils (C6)	······································			morphic Position	, ,	
	on Aerial Imagery (B7)	Thin Muck S	` ,			llow Aquitard (D3)	,	
Water-Stained Lea	ves (B9)	Other (Expia	ain in Remarks)			C-Neutral Test (D5		
					> pn	agnum moss (D8)) (LKK 1, U)	
C'al-l Chaamietiene								
Field Observations:	40 Voo	No Y Donth	- (:nahaa):					
Surface water present			n (inches):			Wetland	No	
Water table present?			n (inches):			Hydrology	No	
Saturation present? (includes capillary fring		No X Depth	n (inches):			Present?		
Describe recorded dat	ta (stream gauge, monit	toring well, aeriai	photos, previo	us inspecti	ons), it ava	ailable:		
Remarks:								

							DP8			
Profile Description: (Describe	to the c	lepth neede	d to docum	ent the indic	ator or confirm t	he absence o	f indicators.)			
Depth <u>Matrix</u>			Redo	ox Features						
(Inches) Color (moist)	%	Color (mo	ist) %	Type*	Loc**	Texture	Remarks			
0-4 10YR 2/1						silty clay	organic material in top layer			
4-16 10YR 5/1	80	10YR 5/	/8 20	С	М	silty clay				
*Type: C = Concentration, D = De	epletion.	, RM = Redu	ced Matrix, N	MS = Masked	Sand Grains.		L = Pore Lining, M = Matrix			
Hydric Soil Indicators:							r Problematic Hydric Soils:			
Histisol (A1)			-		88) (LRR S, T, U)		ck (A9) (LRR O)			
Histic Epipedon (A2)				rface (S9) (LR	-		ck (A10) (LRR S)			
Black Histic (A3)			•	y Mineral (F1	•		Vertic(F18) (outside MLRA 150A,B)			
Hydrogen Sulfide (A4) Stratified Layers (A5)			Loamy Gleye Depleted Ma	ed Matrix (F2))		t Floodplain Soils (F19) (LRR P, S, T) us Bright Loamy Soils (F20) (MLRA			
Organic Bodies (A6) (LR	RPTI		•	Surface (F6)		153B)				
5 cm Mucky Mineral (A7)				rk Surface (F	7)	•	ent Material (TF2)			
Muck Presence (A8) (LR			Redox Depre	•	, ,		llow Dark Surface (TF12)			
1 cm Muck (A9) (LRR P,	-		Marl (F10) (L				splain in remarks)			
Depleted Below Dark Su	-			ric (F11) (ML	RA 151)	`	,			
Thick Dark Surface (A12)	-		Iron-Mangan	ese Masses	(F12) (LRR O, P ,	T)	*Indicators of hydrophytic vegetation			
Coast Prairie Redox (A16	6) (MLR	A 150A)	Umbric Surfa	ace (F13) (LR	R P, T, U)	and weltand hydrology must be presen				
Sandy Mucky Mineral (S	1) (LRR	O, S)	Delta Ochric	(F17) (MLR	A 151)		unless disturbed or problematic			
Sandy Gleyed Matrix (S4	.)		Reduced Ve	rtic (F18) (ML	.RA 150A, 150B)					
Sandy Redox (S5)		!	Piedmont Flo	oodplain Soils	s (F19) (MLRA 14 9	9A)				
Stripped Matrix (S6)			Anomolous E	Bright Loamy	Soils (F20) (MLR	A 149A, 153C	, 153D)			
Dark Surface (S7) (LRR	P, S, T,	U)								
Restrictive Layer (if observed):	:									
Type:					Hydric Soil	Vaa				
Depth (inches):				- -	Present?	Yes				
Remarks:										



Vegetation at DP8 facing north taken 2/19/15



Vegetation at DP8 facing east taken 2/19/15



Vegetation at DP8 facing south taken 2/19/15



Vegetation at DP8 facing west taken 2/19/15



Soil profile at DP8 taken 2/19/15

Project/Site	Moseley South Site		City/County: Vent	ress/Pointe	Coupee	Sampling Date:	2/19/2	015
Applicant/Owner:	Baton Rouge Area	a Chamber (BRA	C) State:	LA		Sampling Point:	DPS	9
Investigator(s):	Carolyn LeSieur, K	Cale Wetekamm	Section,	Township	, Range:	Section 12, Tow	nship 4S, Ra	nge 11E
Landform (hillslope, te	rrace, etc.): histo	ric floodplain	Local relief (co	oncave, co	nvex, none	e): none	Slope (%):	N/A
Subregion (LRR or MI	_RA): LRR O	Lat: 3	30.704283	Long:		-91.37982	Datum:	NAD 83
Soil Map Unit Name_	Sm: Sharkey-T	unica complex, g	ently undulating	N\	VI Classifi	cation:	N/A	
Are climatic/hydrologic	c conditions of the site	typical for this tir	me of the year?	Yes	(If no, exp	olain in remarks)		
Are vegetation	, soil, o	r hydrology	significantly di	sturbed?	Are "nor	mal circumstance	s" present?	Yes
Are vegetation	, soil, o	r hydrology	naturally prob	lematic?	(If need	ed, explain any ar	nswers in rem	narks.)
SUMMARY OF FIR	NDINGS Attach	site map show	ving sampling	point loca	ations, tra	insects, importa	ant features,	, etc.
Hydrophytic veget	ation present?	Yes						
Hydric soil presen	t?	Yes	Is the	Sampled	Area with	nin a Wetland?	Yes	
Indicators of wetla	and hydrology present?	Yes	10 1110				100	
Remarks:								
HYDROLOGY								
Wetland Hydrology I	ndicators:							
Primary Indicators (mi	nimum of one is requir	ed; check all tha	t ap	S	econdary I	Indicators (minimu	um of two req	uired)
X Surface Water (A1))	X Aquatic Fa	una (B13)		Surf	ace Soil Cracks (B	36)	
X High Water Table (A2)	Marl Depos	sits (B15) (LRR U))	—— Spa	rsely Vegetated Co	oncave Surfac	e (B8)
X Saturation (A3)		Hydrogen S	Sulfide Odor (C1)		 Drai	nage Patterns (B1	0)	
X Water Marks (B1)		Ovidized P	hizospheres on Li	ivina	Dry-	Season Water Tab	ole (C2)	
Sediment Deposits	(B2)	Roots (C3)	nizospiierės on Li	virig	Mos	s Trim Lines (B16)	1	
Drift Deposits (B3)		Presence o	of Reduced Iron (C	24)	Cray	yfish Burrows (C8)		
Algal Mat or Crust	(B4)	Pocent Iron	Reduction in Till	od	Satu	uration Visible on A	erial Imagery	(C9)
Iron Deposits (B5)		Soils (C6)	i Reduction in Till	eu		morphic Position (
X Inundation Visible	on Aerial Imagery (B7)	Thin Muck	Surface (C7)		Sha	llow Aquitard (D3)	,	
Water-Stained Lea		Other (Expl	lain in Remarks)		X FAC	C-Neutral Test (D5)	1	
	,	` '	,			agnum moss (D8)		
Field Observations:								
Surface water present	? Yes X	No Dept	th (inches):	22"				
Water table present?	Yes X		· · · ·	0"		Wetland	Yes	
Saturation present?	Yes X	· <u></u> ·	` ′	0"		Hydrology Present?		
(includes capillary fring								
Describe recorded dat	ta (stream gauge, mon	itoring well, aeria	al photos, previou	us inspecti	ons), if ava	ailable:		
2000201.000004	a (on oan gaago, mon		p		oo,, a.r.			
Remarks:								
FAC-Neutral Test	· 2·n							
1 AC-NEUMAI TEST	. 2.0							

VEGETATION Use scientific names of plan	nts.			Sampling Point:	DP9
	Absolute	Dominant	Indicator	Dominance Test Worksheet	
<u>Tree Stratum</u> (Plot size: 30 feet)	% Cover	Species	Staus	Number of Dominant	
				Species that are OBL,	
1 Taxodium distichum	35	Y	OBL	FACW, or FAC: 4	(A)
2 Salix nigra	5	N	OBL	Total Number of Dominant	
3				Species Across all Strata: 4	(B)
4				Percent of Dominant Species	
5				that are OBL, FACW, or	
6				FAC: 100.009	% (A/B)
7					
8					
	40	= Total Cove			
50% of total cover: 20		otal cover:	8	Prevalence Index Worksheet	
30 % of total 60 vc1	2070 01 10	_			
				Total % Cover of:	
Sapling/Shrub Stratum (Plot size: 30 feet)			OBL species x 1 =0	
1 Cephalanthus occidentalis	15	Y	OBL	FACW species x 2 = 0	
2 Xanthium strumarium	2	N	FAC	FAC species x 3 = 0	
3				FACU species x 4 = 0	
4				UPL species x 5 = 0	
5				Column totals (A) 0	(B)
6					
7				Prevalence Index = B/A =	
8					_
	17	= Total Cove			
E00/ of total cover: 9 E		otal cover:		Hydrophytic Vegetation Indicators	
50% of total cover: 8.5	20% 01 10	olai covei.	3.4	Hydrophytic Vegetation Indicators:	
				Rapid test for hydrophytic vegetati	ion
Herb stratum (Plot size: N/A	_)			X Dominance test is >50%	
1				Prevalence index is ≤3.0*	
2				Problematic hydrophytic	
3				vegetation* (explain)	
4				*Indicators of hydric soil and wetland hydrolog	
5				be present, unless disturbed or problema	atic
6				Definitions of Four Vegetation Strat	ta
7				Tree- Woody plants, excluding woody	vines
8				approximately 20 ft (6m) or more in he	
9				less than 3 in. (7.6 cm) DBH.	9
10				, ,	
11				Sapling/Shrub - Woody plants, exclude	dina vinas
12				less than 3 in. DBH and greater than 3	
	0	= Total Cove	r	tall	
50% of total cover: 0		otal cover:	0		ante
				Herb - All herbaceous (non-woody) plaincluding herbaceous vines, regardless	
Woody vine stratum (Plot size: 30 feet)			and woody plants, except woody vines	
1 Smilax rotundifolia	_, 10	Υ	FAC	approximately 3 ft (1 m) in height.	c, 1000 tila
2 Lygodium japonicum	10	<u> </u>	FAC	Woody vine - All woody vines, regard	lless of
3				height.	
4					
5					
		Tatalo		Hydrophytic	
		= Total Cove		Vegetation Yes Present?	
50% of total cover: 10	20% of to	otal cover:	4	Liezent;	
Remarks: (If observed, list morphological	adaptation	s below).			

SOIL							Sampling Point:	DP9			
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
Depth	Depth <u>Matrix</u>			Redo	x Features						
(Inches)	Color (moist)	Color (moist)	%	Type*	Loc**	Texture	Remarks				
							+				
*T 0)tti D. D.	1-4:	DM Dadwaad A	1 - 4 - i - 1	10 Maalaad	Count Continue	**! +:	N. Dave Limin v. M. Matrix			
	concentration, D = De il Indicators:	epietion.	, RIVI = Reduced IV	natrix, iv	/IS = Masked	Sand Grains.		PL = Pore Lining, M = Matrix			
-	sol (A1)		Polyage	alua Bal	ow Surface (9	88) (LRR S, T, U)		or Problematic Hydric Soils: ck (A9) (LRR O)			
	c Epipedon (A2)				face (S9) (LR			ck (A10) (LRR S)			
	k Histic (A3)				y Mineral (F1			Vertic(F18) (outside MLRA 150A,B)			
	rogen Sulfide (A4)			-	ed Matrix (F2)			t Floodplain Soils (F19) (LRR P, S, T)			
	ified Layers (A5)			-	trix (F3)			us Bright Loamy Soils (F20) (MLRA			
	nic Bodies (A6) (LR	R P, T, I			Surface (F6)		153B)	, , ,			
5 cm	Mucky Mineral (A7)	(LRR I	P, T, U) Deple	ted Dar	rk Surface (F	7)	Red Pare	ent Material (TF2)			
Mucl	k Presence (A8) (LR	R U)	Redo	x Depre	essions (F8)		Very Shallow Dark Surface (TF12)				
1 cm	Muck (A9) (LRR P,	T)	Marl (F10) (L	.RR U)		Other (explain in remarks)				
Depl	eted Below Dark Su	rface (A	11) Deple	ted Och	ric (F11) (ML I	RA 151)					
	k Dark Surface (A12)			_		(F12) (LRR O, P	P, T)	*Indicators of hydrophytic vegetation			
	st Prairie Redox (A16				ce (F13) (LR			and weltand hydrology must be present, unless disturbed or problematic			
	dy Mucky Mineral (S				(F17) (MLR A	-		unicos distarboa en problemano			
	dy Gleyed Matrix (S4	.)				.RA 150A, 150B	-				
	dy Redox (S5)				-	s (F19) (MLRA 1 Soile (F30) (ML	-	4520)			
	ped Matrix (S6) Surface (S7) (LRR	РСТ		olous E	ongni Loaniy	Soils (F20) (MLI	KA 149A, 133C	, 1330)			
	Curiaco (Cr) (Errit	. , 0, .,	σ,								
Restrictive	Layer (if observed):	!									
Type:	,					Hydric So	il v				
	Depth (inches):				-	Present?					
					_						
Remarks:											
No soil p	rofile taken due t	o inun	dation, soils ass	umed	hydric.						



Vegetation at DP9 facing north taken 2/19/15



Vegetation at DP9 facing east taken 2/19/15



Vegetation at DP9 facing south taken 2/19/15



Vegetation at DP9 facing west taken 2/19/15

Project/Site	Moseley South Site	Ci	ity/County: Ven	tress/Pointe Co	oupee S	Sampling Date:	2/19/2	015
Applicant/Owner:	Baton Rouge Area	Chamber (BRAC	C) State:	LA	S	Sampling Point:	DP1	0
Investigator(s):	Carolyn LeSieur, Ka	ale Wetekamm	Section	, Township, Ra	ange:	Section 12, Towr	nship 4S, Rai	nge 11E
Landform (hillslope, ter	race, etc.): histor	ic floodplain	Local relief (c	oncave, conve	ex, none):	: none	Slope (%):	N/A
Subregion (LRR or MLI	RA): LRR O	Lat: 30	0.705327	Long:	9	1.372863	Datum:	NAD 83
Soil Map Unit Name	Sm: Sharkey-Tu	nica complex, ge	ntly undulating	NWI (Classifica	ntion:	N/A	
Are climatic/hydrologic	conditions of the site t	ypical for this tim	e of the year?	Yes (If	no, expla	nin in remarks)		
Are vegetation	_, soil, or	hydrology	significantly d	isturbed? A	Are "norm	al circumstances	s" present?	Yes
Are vegetation	, soil, or	hydrology	naturally prob	lematic? (I	(If needed	l, explain any an	swers in rem	arks.)
SUMMARY OF FIN	DINGS Attach	site map showi	ing sampling	point locatio	ons, tran	sects, importa	nt features,	etc.
Hydrophytic vegeta	ation present?	No	T					_
Hydric soil present	?	Yes	ls the	Sampled Are	ea withir	n a Wetland?	No	
Indicators of wetlar	nd hydrology present?	No	10	Oumpios 7	Cu *******	I a Houana.	140	
Remarks:								
L HYDROLOGY								
Wetland Hydrology In								
Primary Indicators (min		ed: check all that	ар	Seco	ondary Inc	dicators (minimu	m of two rea	uired)
Surface Water (A1)		Aquatic Fau		<u> </u>	-	ce Soil Cracks (B		unca,
High Water Table (A	10)		ts (B15) (LRR U	_		ely Vegetated Co	,	△ (B8)
Saturation (A3)	(2)		ulfide Odor (C1)	_		age Patterns (B10		e (DO)
Water Marks (B1)						eason Water Tab		
Sediment Deposits ((P2)	Oxidized Rh Roots (C3)	izospheres on L	iving <u> </u>		Trim Lines (B16)	16 (02)	
Drift Deposits (B3)	(D2)		Reduced Iron (<u> </u>		sh Burrows (C8)		
Algal Mat or Crust (E	ΩΛ\		,	_			orial Imageny	(Ca)
Iron Deposits (B5)	Reduction in Til	Codolion in Tilica			turation Visible on Aerial Imagery (C9) omorphic Position (D2)			
	Curtoco (C7)	_		orpriic Position (L ow Aquitard (D3)	02)			
_	n Aerial Imagery (B7)	Thin Muck S				C-Neutral Test (D5)		
Water-Stained Leav	es (b9)	— Other (Expla	ain in Remarks)	_	neutrai Test (D5) gnum moss (D8) ('I DD T III		
				_		grium moss (Do) (LICIT 1, O)	
Field Observations:								
Surface water present?	? Yes	No X Depth	n (inches):					
Water table present?	Yes		n (inches):			Wetland	No	
Saturation present?	Yes		n (inches):			Hydrology Present?	140	
(includes capillary fring		No X Depti	1 (11101103).			11000111.		
Describe recorded data		toring well perial	Inhotos previo	ue inenactione	s) if avails	ahle:		
Describe recorded data	(Stream gauge, mom	toring well, aerial	priotos, previo	us mapecilons	s), ii avalie	abie.		
Remarks:								
Remarks.								

/EGETATION Use scientific names of pla	nts.			Sampling Point: DP	210
	Absolute	Dominant	Indicator	Dominance Test Worksheet	
<u>Tree Stratum</u> (Plot size: N/A)	% Cover	Species	Staus	Number of Dominant	
(1 lot 5/26. N/A)	70 COVEI	Species	Staus	Species that are OBL,	
1				FACW, or FAC: 0	(A)
2				Total Number of Dominant	_ ` `
3				Species Across all Strata: 2	(B)
4				openes / toross all otrata.	_(D)
-				Percent of Dominant Species	
5				that are OBL, FACW, or	
6	_			FAC: 0.00%	(A/B)
7					
8	-				
	0	= Total Cove			
500/ // /				5	
50% of total cover: 0	20% of to	otal cover:	0	Prevalence Index Worksheet	
				Total % Cover of:	
Sapling/Shrub Stratum (Plot size: N/A)			OBL species 0 x 1 = 0	
1	-'			FACW species $0 \times 2 = 0$	_
					_
2				FAC species 10 x 3 = 30	_
3				FACU species 40 x 4 = 160	_
4				UPL species 40 x 5 = 200	_
5				Column totals 90 (A) 390	(B)
6					_
7				Prevalence Index = B/A = 4.33	
 8					
<u> </u>		T. () O			
		= Total Cove	r		
50% of total cover: 0	20% of to	otal cover:	0	Hydrophytic Vegetation Indicators:	
	-	_		Rapid test for hydrophytic vegetation	
Herb stratum (Plot size: 30 feet)			Dominance test is >50%	
1 Lamium amplexicaule	-′ 40	Υ	UPL	Prevalence index is ≤3.0*	
2 Lolium perenne	35	<u>Y</u>	FACU	Problematic hydrophytic	
3 Rumex crispus	10	N	FAC	vegetation* (explain)	
4 Taraxacum officinale	5	N	FACU	*Indicators of hydric soil and wetland hydrology n	nust
5				be present, unless disturbed or problematic	
6				Definitions of Four Vegetation Strata	
7				Tree Meady plants avaluating woody vis	
8	- ——			Tree- Woody plants, excluding woody vir	
				approximately 20 ft (6m) or more in heigh	nt and
9				less than 3 in. (7.6 cm) DBH.	
0					
1	_			Sapling/Shrub - Woody plants, excluding	g vines
2	-			less than 3 in. DBH and greater than 3.26	5 ft (1m
	90	= Total Cove	r	tall	
50% of total cover: 45		otal cover:	18	Horb All borbossous (non-woods) = least	
50,00. 1016. 00701.				Herb - All herbaceous (non-woody) plant	
Woody vine stratum (Plot size: N/A	1			including herbaceous vines, regardless o	
Woody vine stratum (Plot size: N/A	_'			and woody plants, except woody vines, le	ess tha
				approximately 3 ft (1 m) in height.	0 c t
2				Woody vine - All woody vines, regardles	S OT
3				height.	
4					
5				Hydrophytic	
	0	= Total Cove		Vegetation No	
				Present?	
50% of total cover: 0	20% of to	otal cover:	0	i resent:	
Remarks: (If observed, list morphological	adaptation	s below).			
	pianon				

SOIL								Sampling Point:	: DP10			
Profile Des	cription: (Describe	to the c	lepth need	led to d	docume	ent the indic	ator or confirm	the absence o	of indicators.)			
Depth <u>Matrix</u>					Redo	x Features						
(Inches)	Color (moist)	%	Color (n	noist)	%	Type*	Loc**	Texture	Remarks			
0-16	10YR 4/2	95	10YR	4/6	5	С	М	clay				
	Concentration, D = D	epletion	, RM = Red	duced N	/latrix, N	1S = Masked	Sand Grains.		PL = Pore Lining, M = Matrix			
-	oil Indicators:								or Problematic Hydric Soils:			
	isol (A1)			_			88) (LRR S, T, U)		ck (A9) (LRR O)			
	ic Epipedon (A2)			_		face (S9) (LR	-		ck (A10) (LRR S)			
	ck Histic (A3)			_	-	y Mineral (F1			Reduced Vertic(F18) (outside MLRA 150A,B)			
	rogen Sulfide (A4)			_		ed Matrix (F2))		loodplain Soils (F19) (LRR P, S, T)			
	tified Layers (A5)			_	eted Mat			Anomolous Bright Loamy Soils (F20) (MLRA 153B)				
	anic Bodies (A6) (LR		_	_		Surface (F6)	7)	·				
	n Mucky Mineral (A7) k Presence (A8) (LR			Depleted Dark Surface (F7) Redox Depressions (F8)				Red Parent Material (TF2) Very Shallow Dark Surface (TF12)				
		-		_	-			Other (explain in remarks)				
1 cm Muck (A9) (LRR P, T) Marl (F10 Depleted Below Dark Surface (A11) Depleted 0						bleted Ochric (F11) (MLRA 151)						
		-	''' <u> </u>	_			(F12) (LRR O, P ,	T)				
<u> </u>						ce (F13) (LR		-,	*Indicators of hydrophytic vegetation and weltand hydrology must be present			
	dy Mucky Mineral (S	, ,	<u> </u>	_	Ochric	unless disturbed or problematic						
	dy Gleyed Matrix (S			_			.RA 150A, 150B))				
							oils (F19) (MLRA 149A)					
	oped Matrix (S6)			_			: Loamy Soils (F20) (MLRA 149A, 153C, 153D)					
	k Surface (S7) (LRR	P, S, T,	U)	_		,	· / ·	·	•			
Restrictive	Layer (if observed)	:										
Туре:						_	Hydric Soi	l Yes				
	Depth (inches)	:				-	Present?	. 00				
Remarks:												



Vegetation at DP10 facing north taken 2/19/15



Vegetation at DP10 facing east taken 2/19/15



Vegetation at DP10 facing south taken 2/19/15



Vegetation at DP10 facing west taken 2/19/15



Soil profile at DP10 taken 2/19/15