Exhibit EE. Port of Vinton Site Wetlands Delineation Report





SPOONER & Associates, Inc. Environmental Consultants

Port of Vinton Site Wetlands Delineation Report

WETLAND DELINEATION

ON 150± ACRES GRAY ROAD VINTON, LOUISIANA

FOR:

Mr. Jerry Merchant

September 6, 2017

PREPARED BY:

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Project No. 417990

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Wetland Delineation

Approximately 150± Acres
On
Gray Road
Vinton, LA
Calcasieu Parish
Project No. 417990

1.0 Introduction

Spooner & Associates, Inc. was retained by Mr. Jerry Merchant to conduct a wetland delineation on approximately 150± acres of land located on the south side of Gray Road, west of Highway 108 in Vinton, Louisiana. The tract is located in Sections 26, Township 10 South, Range 12 West. The approximate center of the property is located at Latitude 30.15838° and Longitude -93.55785°. The purpose of the delineation was to evaluate the presence of wetlands on the tract. A site location map is included as Figure 1, an aerial site diagram is included as Figure 2, and a site diagram as Figure 3.

2.0 Methodology

The wetland delineation was conducted in accordance with technical guidelines and methods for wetland delineations set forth by the U.S. Department of the Army Corps of Engineers (COE) in the 1987 Manual for Wetland Delineations. These technical guidelines and methods utilize a multiparameter approach to identify and delineate wetlands for the purposes of Section 404 of the Clean Water Act.

According to the COE 1987 Manual for Wetland Delineations, a site must have hydrophytic vegetation, hydric soils, and wetland hydrology in order for it to be classified as a wetland. The following definitions are from the COE 1987 Manual for Wetland Determinations:

Hydrophytic vegetation — 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. When hydrophytic vegetation comprises a community where indicators of hydric soils and wetland hydrology also occur, the area has wetland vegetation.

Wetland soils — a soil that is saturated, flooded, ponded long enough during the growing season to develop anaerobic conditions that favor the growth and regeneration of hydrophytic vegetation (US Department of Agriculture — Soil Conservation Service 1985). Hydric soils that occur in areas having positive indicators of hydrophytic vegetation and wetland hydrology are wetland soils.

Wetland hydrology — the sum total of wetness characteristics in areas that are inundated or have saturated soils for sufficient duration to support hydrophytic vegetation.

The delineation was begun by traversing the site and making a general evaluation of the topography and drainage features. Sample points were selected at appropriate locations to properly characterize the soil, vegetation, and hydrology. Nine recorded and numerous unrecorded sample points were located in various locations where detailed evaluations were conducted. The data collected at these sample points were recorded on Wetland Data Forms. The Wetland Data Forms are included as Attachment.

3.0 Site Description

The wetland delineation was conducted on July 5, 2017 on approximately 150± acres located west of Highway 108, on the south side of Gray Road in Vinton, Louisiana. The site is currently farmland that is in use as livestock pasture. The western boundary of the site is Johnny Breaux Road; the northern boundary is Gray Road; the southern and eastern boundaries are farmland.

The subject property continues to be farmland and has never returned to a fallow condition. Most of the property holds a designation of Prior Converted Croplands by the Natural Resource Conservation Service. Currently the property is improved pasture but is frequently plowed and planted in winter pasture forage of winter wheat or rye grass. The drainage on this property is by sheet flow to the west and to the east off the subject property. This site is located in Sections 26, Township 10 South, Range 12 West.

4.0 Sample Locations

Nine recorded sample points were placed throughout the site in various locations along three traverses in areas that do not hold a designation of Prior Converted. The traverses were placed in north-south directions with attempts to cross representative landforms occurring on site. The property was explored over its entirety in an effort to get a feel for the topography and drainage. Greatest emphasis was placed on locating intermound and lower areas of elevation which have a greater potential of revealing wetland characteristics. GPS locations were collected for each sample location. The proposed project area was identifiable on infrared aerial photographs.

Data garnered from the sample points was recorded on the field data sheets. The delineation map showing sample locations are located on various drawings for the site.

5.0 Hydrophytic Vegetation

The site consists of vegetation common to pastureland. Vegetation on the site consists predominately of Axonopus fissifolius (Common Carpetgrass), Sporobolus indicus (Smutgrass), Digitaria ciliaris (Southern Crabgrass), Eleocharis parvula (Dwarf Spikerush), Centella erecta (Stiff Spadeleaf), Croton capitatus (Woolly Croton), Alternanthera philoxeroides (Alligator Weed), Juncus effuses (Common Rush), Cyperus pseudovegetus (Marsh Flatsedge), Juncus coriaceus (Leathery Rush), and Rubus trivialis (Southern Dewberry).

The typical dominant plant species that were encountered at the site included the following:

Facultative Upland

Sporobolus indicus (Smut grass) Rubus trivialis (Southern Dewberry) Digitaria ciliaris (Southern Crabgrass)

Facultative

Croton capitatus (Wooly Croton)

Facultative Wetland

Axonopus fissifolius (Common Carpetgrass) Cyperus pseudovegetus (Marsh Flatsedge) Juncus coriaceus (Leathery Rush) Centella erecta (Stiff Spadeleaf)

Obligate

Juncus effuses (Common Rush) Alternanthera philoxeroides (Alligator Weed) Eleocharis parvula (Dwarf Spikerush)

Most of the sample points had a dominance of Facultative Wetland vegetation.

6.0 Soils

Prior to the site visit, the Calcasieu Parish Soil Survey prepared by the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS) was reviewed. The purpose of that review was to determine the soil types as mapped by USDA. As indicated by the Soil Survey for Calcasieu Parish, the delineated tract is comprised of three soil mapping units:

The Edgerly loam soil consists of very deep, poorly drained soils. These nearly level soils formed from loamy fluviomarine deposits of late Pleistocene age and are found on broad flats. Slope ranges from 0 to 1 percent. Mean annual air temperature is 68 to 70 degrees F, and mean annual precipitation is 55 to 65 inches.

The Leton silt loam soil consists of very deep, poorly drained soils. These nearly level soils formed from loamy fluviomarine deposits. Slope ranges from 0 to 1 percent. Mean annual air temperature is 68-70 degrees F, and mean annual precipitation is 55-65 inches.

The Mowata-Vidrine complex unit consists of very deep, poorly drained soils. These nearly level soils formed from loamy fluviomarine deposits. Slope ranges from 0 to 1 percent. Mean annual air temperature is 67 to 72 degrees F and mean annual precipitation is 59 to 66 inches.

The soil investigations conducted in the field showed evidence of respective soil mapping units described above as indicated in USDA Soil Survey book of Calcasieu Parish. The subject property consists of approximately 70% Edgerly loam, 25% Leton silt loam, and 5% Mowata-Vidrine complex soil mapping units. The attached field data sheets contain the record of the soil investigations for the subject property. All three soil mapping units are considered hydric in Calcasieu Parish on the 2015 National Hydric Soils List.

7.0 Hydrology

Currently surface runoff is primarily sheet flow to the west and to the east into lateral drainage ditches off the subject property. There is a central drainage from north to south on the subject property. Hydrology of the property has been altered utilizing land leveling and artificial drainage, and is continuously maintained due to farming practices to attempt to increase productivity and quality of forage for hay. Some hydrologic indicators were seen during the site examination

Hydrological decisive factors were assessed based on observation of primary and secondary field indicators. The hydrology norms were met if one primary field indicator was observed (inundation, soil saturation within the upper 12 inches, water stained leaves, and sediment deposits) or at least two secondary indicators were observed (crayfish burrows, sparsely vegetated concave surfaces, and drainage patterns). During the fieldwork observations of hydrologic indicators were observed in nearly level areas and depressional areas of the property and were noted on the field data sheets.

8.0 Wetland Conclusions

After extensive field observations, transects, and review of historical infrared aerial photos from the LA Department of Natural Resources, USDA-NRCS (Natural Resources Conservation Service) and Lidar maps approximately 19.11 acres of wetlands and 0.13 acres of other waters are associated with the subject property.

Jaden Ardoin Spooner & Associates, Inc.

FIGURE 1 Site Location Map

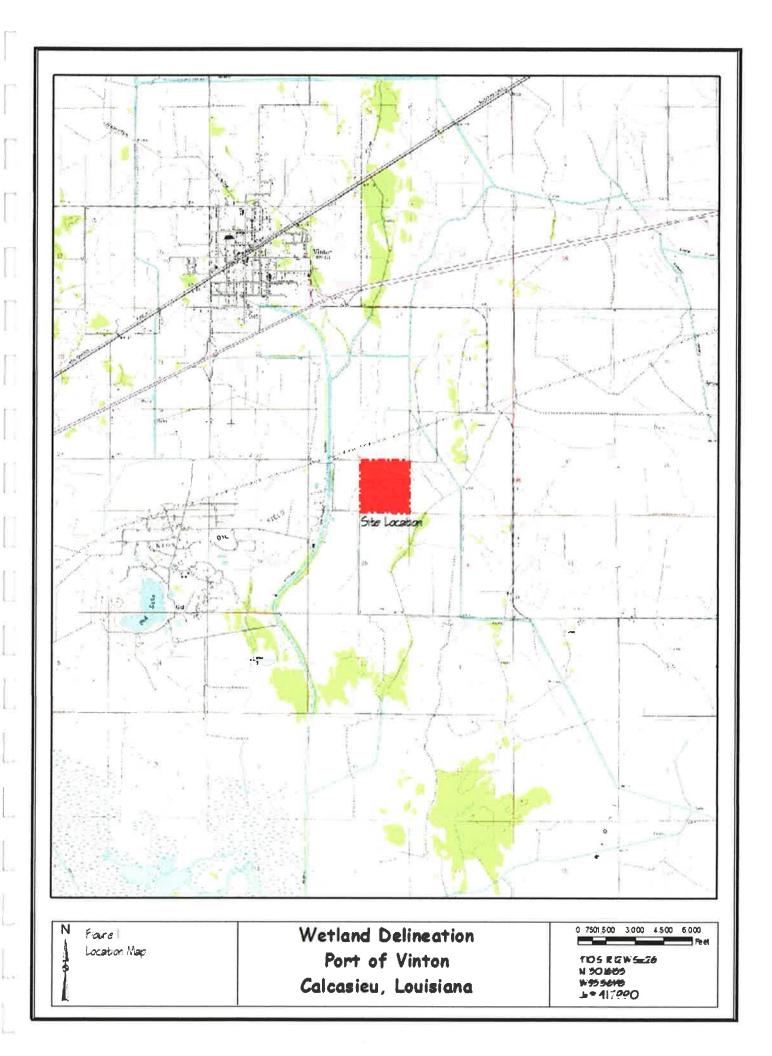


FIGURE 2 Aerial Site Diagram



N Fare 2 19.11 x wet

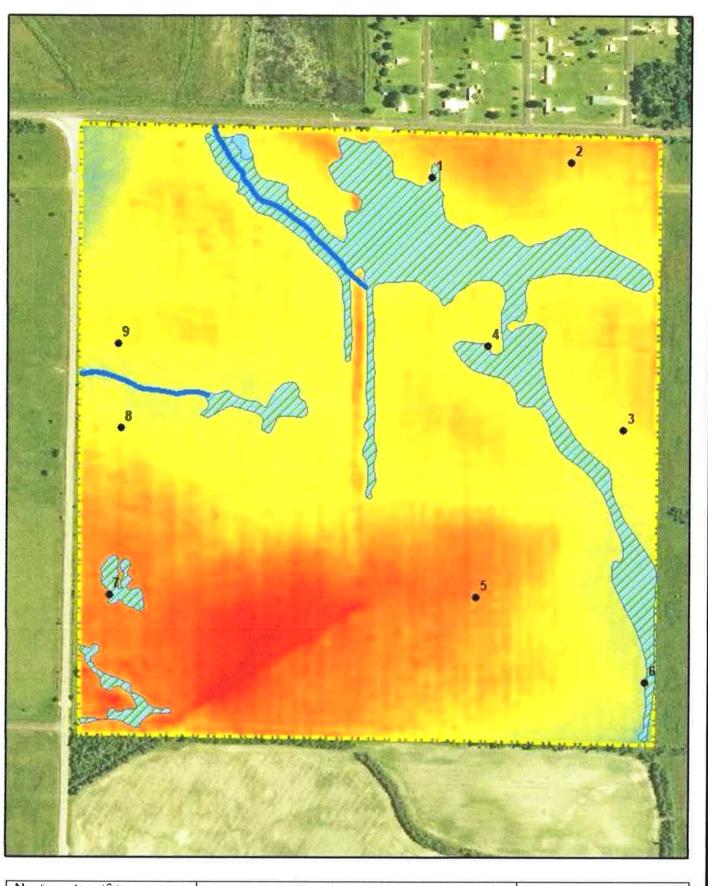
| Site Map 0.15 aw

| 100% Wet

| PC Nun Wet - Ditch

Wetland Delineation Port of Vinton Calcasieu, Louisiana 6 62 6125 250 375 500 FOR RTWSw20 II 50 655 W*5 FORE L #40°PO

FIGURE 3 LIDAR Map



N Flare 5 19.11 x wet

I lidar Map 0.15 ow

100% Wet

100% Not

100% Not

Wetland Delineation Port of Vinton Calcasieu, Louisiana 0 82 5125 250 375 500 Feet TID 5 REW Sector II 503605 W7556405 L+47040

FIGURE 4

Soils Map



N Floure 4
Soils Map
Lt- Praneland silt bam
Mr- Edgerly bam
Mt- Wowsta-Vidrne complex

Wetland Delineation
Port of Vinton
Calcasieu, Louisiana

105 R IZ W 5-26 N 90 M65 W 99 9646 L + 417990

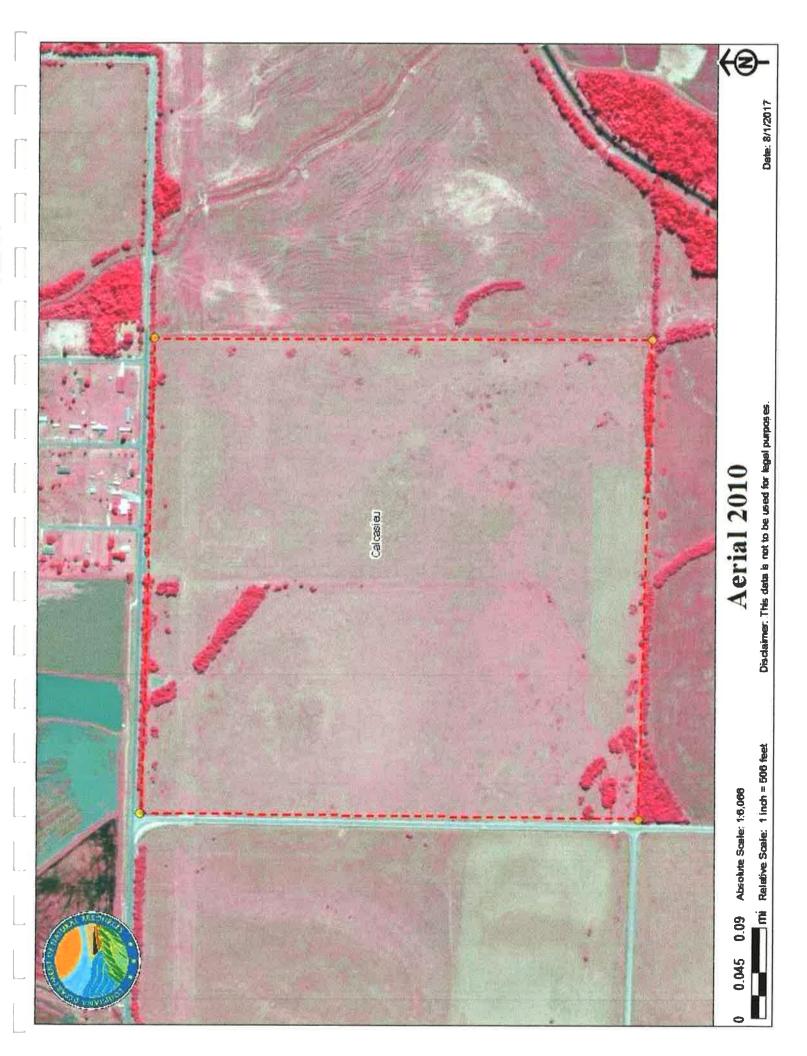
FIGURE 5 Supporting Infrared Aerial Maps

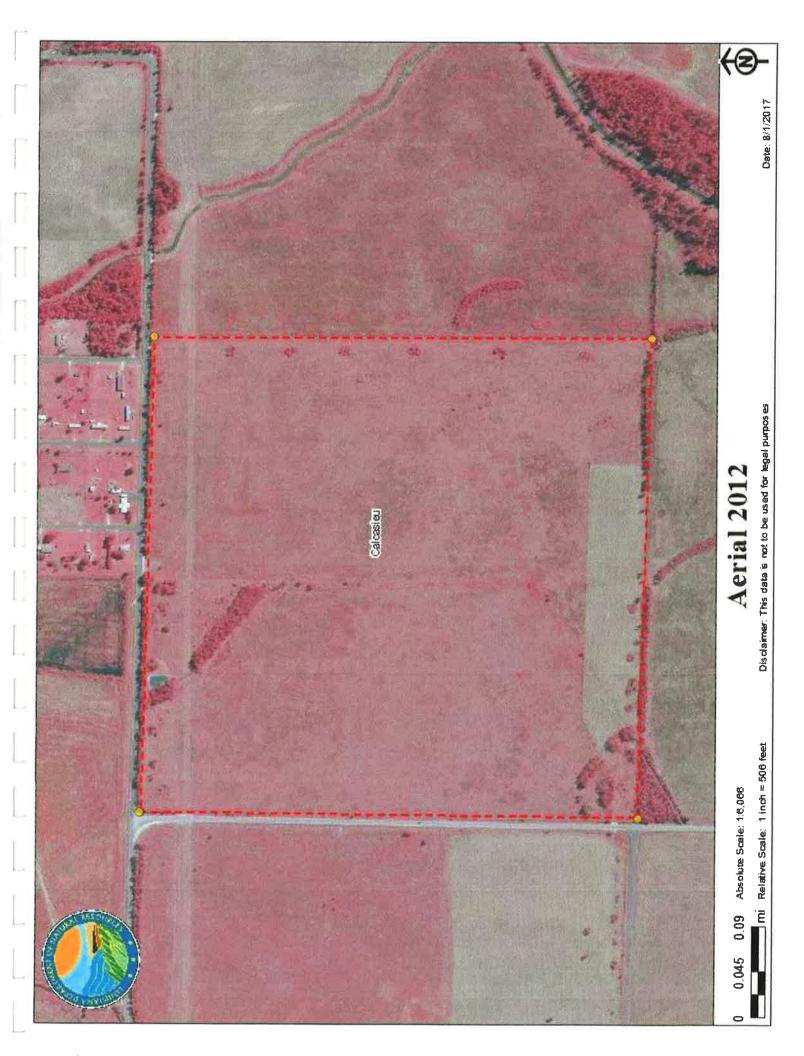


Disclaimer, This data is not to be used for legal purposes











Aerial 2013

Disclaimer: This data is not to be used for legal purposes.

Relative Scale: 1 inch = 508 feet

Date: 8/1/2017

ATTACHMENT A

Field Data Sheets

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Port of Vinton		Ci	ty/County Calcasion		Sampling Date: 7-5-17	
Applicant/Owner; Jerry Merchant			tyrebuilty. Odlodsied	010	Sampling Date: 7-0-17	
investigator(s). Jaden Ardoin and	Clay Midki					
Landform (hilfstope, terrace, etc.): Fla			ection, Township, Range:			
Subregion (LRR or MLRA). LRR T		20.404	ical relief (concave, conve	x, none); none	Slope (%): 1	
Soil Map Unit Name: Edgerly loam		Lat 30,767	17 Long:	-93.55691	Datum: WGS 8	
				NWI classif	cation:	
Are climatic / hydrologic conditions on t	he site typical	for this time of year'	? Yes 🗸 No	(If no, explain in I	Remarks.)	
Are vegetation, Soil, or	Hydrology	significantly dis	sturbed? Are 'Norm		present? Yes V No	
Are Vegetation, Soil, or	Hydrology	naturally proble		, explain any answ		
SUMMARY OF FINDINGS - A				2		
			ampling point locat	ions, transects	s, important features, etc	
Hydrophytic Vegetation Present? Hydric Soil Present?		No	Is the Sampled Area			
Welland Hydrology Present?	Yes	No V	within a Wetland?		No. 4	
Remarks:	Yes	No	The state of the s	103	No	
HYDROLOGY				-		
Wetland Hydrology Indicators:						
Primary Indicators (minimum of one is	required: chec	k all that sonly)			itors (minimum of two required)	
Surface Water (A1)		Jatic Fauna (813)		Surface Soil	*	
High Water Table (A2)		rl Deposits (B15) (L	ĎĐ III	Sparsely Veg	related Concave Surface (B8)	
Seturation (A3)		Irogen Sulfide Odor		Drainage Patterns (B10) Moss Trim Lines (B16)		
Water Marks (B1)			along Living Roots (C3)			
Sediment Deposits (B2)	Pre	sence of Reduced I	ron (C4)	Crayfish Burr	Water Table (C2)	
Orift Deposits (83)		ent Iron Reduction			sible on Aerial Imagery (C9)	
Algal Mat or Crust (B4)		Muck Surface (C7		Geomorphic		
Iron Deposits (B5)	Oth	er (Explain in Rema	rks)	Shallow Aqui		
Inundation Visible on Aerial Image Water-Stained Leaves (89)	ry (87)			FAC-Neutral		
Field Observations:				Sphagnum m	oss (D8) (LRR T, U)	
	No V	Depth (inches):				
Water Table Present? Yes	No 🗸	Depth (inches):	Angland on the same of the life formation and the same of the life formation and the same of the same			
Saturation Present? Yes	No V	Depth (inches):				
The same of the sa				tydrology Present	7 Yes No	
Describe Recorded Data (stream gauge	, monitoring w	ell, aerial photos, pr	evious inspections), if ava	ilable.		
Remarks:						
TOTTING CO.						

VEGETATION	(Five	Strata) -	- I Ise	scientific	namoe	of	planto

Sampling Point: 1

Tree Stratum (Ptot size: 30'	Absolute Dominant Indicate	
1	% Cover Species? Statu:	Number of Dominant Species That Are OBL, FACW, or FAC: 1
2.		Total Number of Dominant Species Across All Strata: 2 (8
		Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A
	0 = Total Cover	Prevalence Index worksheet:
50% of total cover: 0	20% of total cover: 0	Total % Cover of: Multiply by:
apling Stratum (Plot size: 30'	20 % Of total cover: 0	OBL species v to 0
		FAC species x 3 = 0
		FACU species 2 x4 = 8
		UPL species x 5 = 0
		Column Totels: 4 (A) 12 (I
	0 = Total Cover	Provalence Index = B/A =3
50% of total cover: 0	20% of total cover: 0	Hydrophytic Vegetation Indicators:
hrub Stratum (Plot size: 30'		- Tropic resirior tryonophrytic vegetamon
		2 - Dominance Test is >50%
		3 - Prevalence Index is \$3.0
		Problematic Hydrophytic Vegetation1 (Explain)
		Understand of house of the state of the stat
		 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		Definitions of Five Vegetation Strata:
	0 = Total Cover	
50% of total cover: 0	20% of total cover: 0	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
erb Stratum (Plot size: 30'		(7.6 cm) or larger in diameter at breast height (DBH).
Axonopus fissifolius	65 ves FACW	Sapling – Woody plants, excluding woody vines,
Sporobolus indicus	25 ves FACU	approximately 20 ft (6 m) or more in height and less
Cyperus pseudovegetus		than 3 in. (7.6 cm) DBH.
Rubus trivialis		Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
		Herb - All herbaceous (non-woody) plants, including
		herbaccous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
		Woody wine - All woody vines, regardless of height.
	100 = Total Cover	
	20% of total cover. 20	
∞dy Vine Stratum (Plot size, 30'		
		Hydrophytic
	0 = Total Cover 20% of total cover: 0	Vegetation Present? Yes ✓ No
Ends assessment of	DDW. of lotal assume 0	169 6 MO

Sampling Point: 1

-77 10yr 3/1 99 10yr 4/4 <2 C PL silt loam -13 10yr 3/1 100	Depth	Matrix			ox Feature					
Cay loam Clay	(inches)								Rem	narks
## C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ## Coation: PL=Pore Lining, M=Matrix. ## Indicators: (Applicable to all LRRs, unless otherwise noted.) ## Indicators: (Applicable to all LRRs, unless otherwise noted.) ## Indicators: (Applicable to all LRRs, unless otherwise noted.) ## Indicators for Problematic Hydric Soils²: ## Indicators for Problematic Hydric Soils F19) (LRR P, F) ## Indicators for Problematic Hydric Soils F19) (LRR P, F) ## Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. ## Indicators Hydric Hydric Soil Hydrophytic vegetation Soils (F19) (MLRA 151) ## Indicators Indicators Hydric Hydric Soil Hydrophytic Vegetation and wetland hydrology must be present, unless disturbed or problematic. ## Indicators Indicators Hydric Hydric Soil Hydrophytic Vegetation Soils (F19) (MLRA 149A) ## Indicators Indicators Hydric Hydric Soil Hydrophytic Vegetation and wetland hydrology must be present, unless disturbed or problematic. ## Indicators Indicators Indicators Hydric Soil Hydrology Hydrology Hydric Soil Hydrology Hydrology Hydric Soil Hydric Soil Hyd	0-7		99	10yr 4/4	_ <2		PL	silt loam		
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dric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)								-		
dric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	-									
dric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)							(2)			
dric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)										
Histosof (A1)	ype: C=C	Concentration, D=D	epletion, RM	t=Reduced Matrix, N	IS=Maske	d Sand Gr	ains.			
Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150 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 P, T, 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 Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Piedmont Floodplain Soils (F20) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Reduced Vertic (F18) (MLRA 150A) Wetland hydrology must be present, unless disturbed or problematic. Reduced Vertic (F18) (MLRA 150A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Reduced Vertic (F18) (MLRA 150A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Hydric Soil Present? Yes No			ncame to al							ydric Soils ³ :
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Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (If observed): Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Iron-Manganese Masses (F12) (LRR O, P, T) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soits (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Hydric Soil Present? Yes No	1 cm M	uck (A9) (LRR P, T)							
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No	Deplete	d Below Dark Surfa	ace (A11)		,	(MLRA 1	51)			*7
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplein Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No				Iron-Manga	nese Mass	es (F12) (LRR O, P,	T) ³ Indical	ors of hydrophytic	vegetation and
Sendy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sendy Redox (S5) Piedmont Floodplein Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No				A) Umbric Surf						
Sandy Redox (SS) Piedmont Floodplein Soits (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No	_ Sandy I	Mucky Mineral (S1)	(LRR O, S)	Delta Ochrid	(F17) (MI	.RA 151)				
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MERA 149A, 153C, 153D) Dark Surface (S7) (ERR P, S, T, U) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No				Reduced Ve	ertic (F18)	MLRA 15	0A, 150B)			
Dark Surface (S7) (LRR P, S, T, U) strictive Layer (If observed): Type:										
Strictive Layer (If observed): Type:				Anomalous	Bright Loa:	my Soils (F20) (MLR	A 149A, 153C, 1	53D)	
Type:										
Depth (inches): No 🗸	estrictive	Layer (if observed	d):							
Mydrio contribution 100 V	Туре:							1		
	Depth (in	ches):						Hydric Soli P	recent? Yes	No. W
	emarks:							1yano oonii		



WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Port of Vinton	City/County: Ca	lcasieu	Samples Date: 7-5-17		
Applicant/Owner, Jerry Merchant		State: LA			
Investigator(s) Jaden Ardoin and Clay Midkiff	Section, Townsh				
A POST OF	Local relief (cond				
	Lat: 30.16119	Long: -93.55522	Datum: WGS 84		
Soil Map Unit Name: Edgerly loarn (Mr)		NWI classific	cation:		
Are climatic / hydrologic conditions on the site typical for	this time of year? Yes	No (If no, explain in F	Remarks.)		
Are Vegetation, Soil, or Hydrology	_ significantly disturbed?	Are "Normal Circumstances"	present? Yes V No		
Are Vegetation, Soil, or Hydrology		(If needed, explain any answe			
SUMMARY OF FINDINGS - Attach site ma					
	Não		,,		
Hydric Soil Present? Yes		npled Area			
Wetland Hydrology Present? Yes		Vetland? Yes	No		
Remarks:	710				
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)		
Primary Indicators (minimum of one is required; check a	atl that apply)	Surface Soil			
~ 4 201 4 40 40	tic Fauna (B13)				
	Deposits (815) (LRR U)		getated Concave Surface (B8)		
	ogen Sulfide Odor (C1)		Drainage Patterns (B10) Moss Trim Lines (B16)		
	zed Rhizospheres along Living i		Water Table (C2)		
	ence of Reduced Iron (C4)	Crayfish Burn			
	nt Iron Reduction in Tilled Soils		sible on Aerial Imagery (C9)		
	Muck Surface (C7)	Geomorphic			
	(Explain in Remarks)	Shallow Aqui			
Inundation Visible on Aerial Imagery (87)		FAC-Neutral			
Water-Stained Leaves (B9)		Sphagnum m	oss (D8) (LRR T, U)		
Field Observations:					
	Depth (inches):				
Water Table Present? Yes No V					
Saturation Present? Yes No V [includes capillary fringe]	Pepth (inches):	Wetland Hydrology Present	1? Yes No		
Describe Recorded Data (stream gauge, monitoring well	l, aerial photos, previous inspec	tions), if available:			
D					
Remarks:					

Tree Stratum (Plot size: 30"	Absolute Dom % Cover Spe	inant Indicator	The state of the s
			Number of Dominant Species That Are OBL, FACW, or FAC:(A
			Total Number of Dominant Species Across All Strata: (B
			Percent of Dominant Species That Are OBL, FACW, or FAC: NaN (A
	= Tota		Prevalence Index worksheet:
50% of total cover: 0			Total % Cover of:Multiply by:
Sapling Stratum (Plot size: 30'	20 /0 0/ 10(0)	cover <u>o</u>	OBL species x1= 0
			FACW species x 2 = 0
			FAC species x 3 = 0
			FACU species x 4 = 0
			UPL species x 5 = 0
			Column Totals: 0 (A) 0
			Prevalence index = B/A =NaN
***	0 = Tota		Hydrophytic Vegetation Indicators:
50% of total cover: 0	20% of total of	cover. 0	✓ 1 - Rapid Test for Hydrophytic Vegetation
hrub Stratum (Plot size: 30')			2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.01
Winner Control of the			Problematic Hydrophytic Vegetation* (Explain)
			Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Five Vegetation Strata:
Error others of	0 = Tota		Tree - Woody plants, excluding woody vines,
50% of total cover: 0	20% of total c	over: 0	approximately 20 ft (6 m) or more in height and 3 in.
Sporobolus indicus	75 ves	EACH	(7.6 cm) or larger in diameter at breast height (DBH),
Axonopus fissifolius	1.0	FACU FACW	Sapling - Woody plants, excluding woody vines,
Junçus coriaceus		FACW	approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
	5 no 5		,
O V BOS GO B S CON D S CON CONTROL O	3 110	FACW	Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
			Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
			plants, except woody vines, less than approximately
			3 ft (1 m) in height.
)			Woody vine - All woody vines, regardless of height.
	_100 = Tate!	Cover	
50% of total cover: 50			
Toody Vine Stratum (Plot size: 30'	2770 01 (0.03) 01	23	
	0 = Total	Craver	Hydrophytic Vegetation
	= Total		Present? Yes V No
5000 all table courses 17			

Sampling Point: 2

(inches)	Matrix		Red	ox Feature	8		the absence of	(0)	
0-7	Color (moist)		Color (moist)	%_	Type	Loc?	Texture	Rem	narkş
	10yr 3/2	99	10yr 4/4	_ <2	C	PL	silt loam		
7-13	10yr 4/2						clay loan		
pe: C=Cc	oncentration, D=D	epletion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ains.	Location: PL	.=Pore Lining, M	=Matrix
		ilcable to all	LRRs, unless othe				Indicators for	Problematic H	
Histosol	. ,		Polyvatue B	elow Surfa	ce (\$8) (L	RR S, T, U		k (A9) (LRR O)	desir.
	lipedon (A2)		Thin Dark S					k (A10) (LRR S)	
Black His	. ,		Loamy Much			Q)		Vertic (F18) (out	
	n Sulfide (A4)		Loamy Gley		F2)		Piedmont	Floodplain Soils	(F19) (LRR P.
	Layers (A5)		Depleted Ma				Anomalou	s Bright Loamy	Soils (F20)
	Bodies (A6) (LRR		Redox Dark				(MLRA	153B)	
	cky Mineral (A7) (Depicted Da					nt Material (TF2)	
	esence (A8) (LRR		Redox Depre		B)		Very Shall	low Dark Surface	(TF12)
	ck (A9) (LRR P, T		Merl (F10) (I				Other (Exp	olain in Remarks	i)
Thick Do	l Below Dark Surfa rk Surface (A12)	ice (A11)	Depleted Oc	shric (F11)	(MLRA 15	i1)	-		
	airie Redox (A16)	/MI DA 4504	Iron-Mangan	lese Massi	25 (F12) (I	LRR O, P,		rs of hydrophytic	vegetation and
	ucky Mineral (S1)					U)	wetland	d hydrology must	be present,
	leyed Matrix (S4)	(LKK 0, 5)	Delta Ochric				unless	disturbed or prot	blematic.
	edox (S5)		Reduced Ve						
	Matrix (S6)		Piedmont File	oogplain Si	045 (F19) ((WLRA 14)	9A}		
	face (S7) (LRR P,	STIN	Ariometous (oriĝine nosti	ny sons (F	(MILK)	A 149A, 153C, 15	3D)	
strictive 1	ayer (If observed	n-							
Туре:									
	hes):						Hydric Soil Pre	sent? Yes	No_W
marks:									
WARREN									
~~ 3395 78 5									
- 100 TO									
0.0 Table 100									
A 200 TO									
An 1317.7 TO									



-9 9

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site. Port of Vinton		City	//County: Calcasieu		Sampling Date: 7-5-17	
Applicant/Owner: Jerry Merchant				State: I A	Gampling Date. 1-0-17	
Investigator(s): Jaden Ardoin and	Clay Midki		ction, Township, Range:			
Landform (hillslope, terrace, etc.): Fla			atori, rownship, Range;	20, 1 105	IX 12VV	
Subregion (LRR or MERA): LRR T		30 1501	zai reliet (concave, convex 7	(, none): 110He		
Soil Map Unit Name: Mowata-Vide					Datum: WGS 8	
				NV/I classifi	cation:	
Are climatic / hydrologic conditions on	the sae typical	for this time of year?				
Are Vegetation Soil o				al Circumstances*	present? Yes V No	
Are Vegetation, Soil, o				explain any answer		
SUMMARY OF FINDINGS - A	Attach site r	nap showing sa	mpling point locati	ons, transects	s, important features, etc	
Hydrophylic Vegetation Present?					,,	
Hydric Sail Present?		No V	Is the Sampled Area			
Wetland Hydrology Present?		No V	within a Wetland?	Yes	No_V	
Remarks						
HYDROLOGY						
Wetland Hydrology Indicators:				Sacondan India	itors (minimum of two required)	
Primary Indicators (minimum of one is	nequired; cher	k all that apply)		Surface Soil		
Surface Water (A1)		uatic Fauna (B13)				
High Water Table (A2)		in Deposits (615) (LR	RR UI)	Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10)		
Saturation (A3)		drogen Sulfide Odor		Moss Trim L		
Water Marks (81)			along Living Roots (C3)		Water Table (C2)	
Sediment Deposits (B2)	Pre	sence of Reduced In	on (C4)	Crayfish Bur		
Drift Deposits (B3)		cent Iron Reduction is			sible on Aerial Imagery (C9)	
Algal Mat or Crust (84)		n Muck Surface (C7)			Position (D2)	
Iron Deposits (B5) Inundation Visible on Aerial Image	_ OII	ner (Explain in Remar	rks)	Shallow Aqui		
Water-Stained Leaves (B9)	3f y (B7)			FAC-Neutral		
Field Observations:				Sphagnum m	ioss (D8) (LRR T, U)	
The second second second second second	No V	Dapth (inches):				
Water Table Present? Yes	No 🗸	Depth (inches):				
_	No. V	Depth (inches):		leadant December 1		
(consider capitally lillige)					1? Yes No	
Describe Recorded Data (stream gaug	je, monitoring v	veli, aerial photos, pre	evious inspections), if ava	ilable.		
Remarks:						

7	ames of p	Dominan	1 Indicator	Sempling Point: 3 Dominance Test worksheet:
Iree Stratum (Plot size: 30')	% Cove	r Species	? Status	Number of Dominant Species That Are ORL FACW or FAC
3.				Total Number of Dominant
				Percent of Dominant Species That Are OBL, FACW, or FAC. NaN (A
				Prevalence Index worksheet:
50% of total cover: 0	700/	≂ Total Co	ver	Total % Cover of Multiply by:
apling Stratum (Plot size: 30')	20% 0	a roral cove	C U	OBL species x1 = 0
				FACW species 1 x 2 = 2
				FAC species x3 = 0
				FACU species 2 x4 = 8
				UPL species x 5 = 0
				Column Totals: 3 (A) 10 (E
		= Total Co		Prevalence Index = B/A = 3.33
50% of total cover: 0				Hydrophytic Vegetation Indicators:
nrub Stratum (Plot size: 30'	£0.70 Ø	- waar sover	· _U	1 - Rapid Test for Hydrophylic Vegetation
				2 - Dominance Test is >50%
	_			3 - Prevalence Index is \$3.0°
				Problematic Hydrophytic Vegetation' (Explain)
				Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
	0	- T-I-1 C-		Definitions of Five Vegetation Strata:
50% of total cover: 0	2004 -4	= Total Cov	er O	Tree - Woody plants, excluding woody vines,
erti Stratum (Plot size 30'	2079 08	TOTAL SOVE	ч	approximately 20 ft (6 m) or more in height and 3 in. (7.5 cm) or larger in diameter at breast height (DBH).
Sporobolus indicus	85	ves	FACU	
Axonopus fissifolius		по	FACW	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
Digitaria ciliaris		BERRY TO THE PERSON NAMED IN COLUMN	FACU	than 3 in. (7.6 cm) DBH.
				Shrub – Woody plants, excluding woody vines.
				approximately 3 to 20 ft (1 to 6 m) in height.
				Herb - All herbaceous (non-woody) plants, including
				herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately
	-			3 ft (1 m) in height.
				Woody vine - All woody vines, regardless of height.
				A woody vales, regardless of deigni
	400			
EDW official and PA	100 =	Fotal Cove	er	
50% of total cover: 50 ody Vine Stratum (Plot size: 30'	20% of t	total cover;	20	
				Hydrophytic
E000	0 =			Vegetation Present? Yes No ✔
50% of total cover: 0	20% of t	ofal cover:	0 [Present? Yes No

Sampling Point 3

WHITE		th needed to document the indicator or confirm Redox Features					or intal arot 5.)		
0-9	Color (moist) 10yr 3/2	- %	Color (moist)	- %	Type	Loc ²	Texture	Remarks	
-		_ 99	10yr 4/4	<2	_C	PL	silt loam		
9-13	10yr 3/1	_ 100					silt loam		
vne: C=C	ncentration D.D.	-falls mas		-					
dric Soil I	ndicators: (Applie	cable to all	Reduced Matrix, M. LRRs, unless othe	S=Masked	Sand Gra	ains.	Location: PL:	Pore Lining, M=Matrix.	
Histosol	(A1)	ANDIA 70 BILL						Problematic Hydric Solls ³ :	
	ipedon (A2)		Polyvalue Be	low Surfax	ce (S8) (L	RRS, T, U		(A9) (LRR O)	
Black His			Thin Dark Su	irface (S9)	(LRR S,	T, U)	2 cm Muck	(A10) (LRR S)	
	Sulfide (A4)		Loamy Muck	y Mineral (F1) (LRR	0)	Reduced V	ertic (F18) (outside MLRA 150A	
Stratified	Layers (A5)		l.oamy Gleye		F2)		Piedmont f	Toodplain Soils (F19) (LRR P, S,	
Organie I	rayers (Ab)		Depleted Mar	. ,			Anomalous	Bright Loamy Soils (F20)	
5 cm Mu	Bodies (A6) (LRR F	ሩ I, U)	Redox Dark				(MLRA 1	53B)	
A CITI IVIUE	ky Mineral (A7) (L		Depleted Dark Surface (F7)				Meterial (TF2)		
VIUGE Pre	sence (A8) (LRR U	J)	Redox Depre		;)		Very Shallo	w Dark Surface (TF12)	
1 cm Muck (A9) (LRR P, T) Mart (F10) (LRR II)							Other (Explain in Remarks)		
Depleted	Below Dark Surfac	e (A11)	Depleted Oct	nic (F11) (MLRA 15	1)		in itomatica)	
	k Surface (A12)		Iron-Mangani	ese Masse	s (F12) (L	RR O. P.	T) Indicators	of hydrophytic vegetation and	
Coast Pra	irie Redox (A16) (I	WLRA 150A	Umbric Surfa	ce (F13) (I	RR P. T.	U)		hydrotony must be assessed	
Sandy Mucky Mineral (St) (LRR O. S) Delta Ochric (E17) (MI PA 454)						,	wetland hydrology must be present, unless disturbed or problematic.		
	cyed Matrix (S4)		Reduced Ver	ic (F18) (N	ILRA 150	A. 150B)	4/11C\$3 Q	isotized of problematic.	
Sandy Re			Predmont Flo	odolain So	ils (£1917	MIRA 440	3.6.1		
Stripped I	Matrix (S6)		Anomalous B	right Loam	v Soile (F	20) (68) (54)	/^/ \ 149A, 153C, 153	m).	
Dark Surf	ace (S7) (LRR P, S	S, T, U)			y Cons (r	ZO) HINLINA	1 140M, 103C, 103	u)	
strictive La	yer (if observed);								
	es):						Hydric Soil Pres	ent? Yes No_	
marks:								140	



WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Sampling Point: 4 Sampling Point: 4 Sampling Point: 4 Section, Township, Range: Sec 26, T 10S, R 12W Depression Local relief (concave, convex none): none Slope (%): 0 gion (LRR or MLRA): LRR T Lat: 30.15864 Long: -93.55613 Datum: WGS 8 ap Unit Name: Prainfeland silt loam (Lt) NWI classification: material hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) septiation Soil or Hydrology significantly disturbed? Are 'Normal Circumstances' present? Yes No septiation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) MARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Dephytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Moss Trim Lines	Project/Site: Port of Vinton	City/County Calcasieu	Samulas 2. 7 5 17				
Section, Township, Range: Sec 26, T 10S, R 12W Section, Township, Range: Sec 26, T 10S, R 12W Corn (hillatope, terrace, etc.): Depression	Applicant/Owner: Jerry Merchant	This county, Seriousia					
corn (hilistope, terrace, etc.): Depression Local relef (concave, convex, none): nOne gion (LRR or MLRA): LRR T Lat: 30.15864 Long: -93.55613 Datum: WGS 8 ap Unit Name: Prairieland silt loam (Lt) NV/// classification: mallor hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) agetation Soil or Hydrology significantly disturbed? Are 'Normal Circumstances' present? Yes No (If needed, explain any answers in Remarks.) MARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Prophytic Vegetation Present? Yes No Is the Sampled Area within a Wettand? Are 'Normal Circumstances' present? Yes No No Is the Sampled Area within a Wettand? Yes No No Is the Sampled Area within a Wettand? Present? Yes No No Is the Sampled Area within a Wettand? Area Normal Circumstances' present? Yes No N	Annation to Jadon Ardein and Class Midbles	Saction Township Dagger					
gion (LRR or MLRA): LRR T Lat: 30.15864 Long: 93.55613 Datum: WGS 8- lap Unit Name: Prairieland silt loam (Lt) NVII classification: Imatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) septiation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No agetetion Soil or Hydrology naturally problemainc? (If needed, explain any answers in Remarks.) MARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. District of the secondary indicators: Is the Sampled Area within a Wetland? Yes No within a Wetland? Yes No No within a Wetland? Yes No No Surface Soil Cracks (B6) Pressional area ROLOGY Roll of the secondary indicators (minimum of two required) within a Wetland? Yes No No Surface Soil Cracks (B6) Spassely Vegetated Concave Surface (B2) Datum: WGS 8- No (If no, explain in Remarks.) No (If no, explain in Remarks.) No (If needed, explain any answers in Remarks.) No If needed, explain any answers in Remarks. No If the secondary indicators (imminum of two required) within a Wetland? Yes No		_					
realize in Name:		20 16064	x none); HONE	Slope (%): 0			
matic / hydrologic conditions on the site typical for this time of year? Yes	Soil Man Unit Name: Prairie and cilt from (1 t)						
segetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No segetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) MARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. polytric Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No			NV/I classif	ication:			
AROLOGY and Hydrology naturally problematic? (If needed, explain any answers in Remarks.) MARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Ophytic Vegetation Present?	And the same of nyorologic conditions on the sate typical for this	time of year? Yes No	(If no, explain in I	Remarks.)			
ARRY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Dephylic Vegetation Present? Yes V No Is the Sampled Area within a Wetland? Yes No Is the Sampl			al Circumstances*	present? Yes V No No			
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rable Flessiff: Tes No Depth (inches): 15	170 OGDI						
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VEGETATION	(Five Strata)	- Use scientific	names of plants
	i ive stiatal	- Ose Scienting	Dames of blants

Free Stratum (Plot size: 30'	Absolute Dominant Indicator % Cover Species? Status	Number of Dominant Species
		That Are OBL, FACW, or FAC:
		Species Across All Otrolo:
		Percent of Dominant Species That Are OBL, FACW, or FAC: NaN
	0 = Total Cover	Prevalence Index worksheet:
50% of total cover: 0	20% of total cover: 0	Total % Cover of Multiply by:
apling Stratum (Plot size: 30'		ORL species x 1 =0
		FACW species x 2 = 0
		FAC species x3 = 0
		FACU species x 4 = 0
		UPL species x5 = 0
		Column Totals: 0 (A) 0
	0 = Total Cover	Prevalence Index = B/A = NaN
50% of total cover; ()	20% of total cover: 0	Hydrophytic Vegetation Indicators:
rub Stratum (Plot size: 30'		The state of the transfer of the state of th
		2 - Dominance Test is >50%
		Indicators of haddens in the second
		Indicators of hydric soil and wetland hydrotogy mus be present, unless disturbed or problematic.
		Definitions of Five Vegetation Strata:
	0 = Total Cover	5005494444715075050000000000000000000000000000
50% of total cover: 0	20% of total cover: 0	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in
rb Stratum (Plot size: 30'		(7.6 cm) or larger in diameter at breast height (DBH)
Axonopus fissifolius	80 ves FACW	Sapling - Woody plants, excluding woody vines.
Eleocharis parvula		approximately 20 ft (6 m) or more in height and less
Centella erecta	10 no FACW	than 3 in. (7,6 cm) DBH
		Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
		Herb - All herbaceous (non-woody) plants, including
		herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height
		Woody vine - All woody vines, regardless of height.
		, , , , , , , , , , , , , , , , , , , ,
	100 = Total Cover	
	20% of total cover:20	
ody Vine Stratum (Plot size, 30')		
		Hydrophytic
50% of total course. O	0 = Total Cover 20% of total cover: 0	Vegetation Present? Yes No
AN ALCOHOLOUSE: 11	∠U% OF TOTAL COVER; ()	140

inches) Color (mo 0-9 10yr 5/2 9-13 10yr 4/1 Type: C=Concentration Hydric Soil Indicators: (i) Histosoi (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (I) 5 cm Mucky Mineral (A) Muck Presence (A8) (I)	95 10 95 10 95 10 95 10 95 10	Rs, unless other Polyvalue Be Thin Dark Su	wise noted.) low Surface (S& rface (S9) (LRF y Mineral (F1) (I	PL M	J) 1 cm Muck (A9) 2 cm Muck (A10	elematic Hydric Solls ^a : (LRR O) (LRR S)
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ydric Soil Indicators: (/ Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (I 5 cm Mucky Mineral (A	Applicable to all LRI	Rs, unless other Polyvalue Be Thin Dark Su Loamy Muck Loamy Gleye	wise noted.) low Surface (S& rface (S9) (LRF y Mineral (F1) (I) (LRR S, T, U	Indicators for Prob J) 1 cm Muck (A9) 2 cm Muck (A10	elematic Hydric Solls ^a : (LRR O) (LRR S)
hydric Soil Indicators: (A Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (I 5 cm Mucky Mineral (A	Applicable to all LRI	Rs, unless other Polyvalue Be Thin Dark Su Loamy Muck Loamy Gleye	wise noted.) low Surface (S& rface (S9) (LRF y Mineral (F1) (I) (LRR S, T, U	Indicators for Prob J) 1 cm Muck (A9) 2 cm Muck (A10	elematic Hydric Solls ^a : (LRR O) (LRR S)
hydric Soil Indicators: (A Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (I 5 cm Mucky Mineral (A	Applicable to all LRI	Rs, unless other Polyvalue Be Thin Dark Su Loamy Muck Loamy Gleye	wise noted.) low Surface (S& rface (S9) (LRF y Mineral (F1) (I) (LRR S, T, U	Indicators for Prob J) 1 cm Muck (A9) 2 cm Muck (A10	elematic Hydric Solls ^a : (LRR O) (LRR S)
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (I 5 cm Mucky Mineral (A	.RR P, T, U)	Polyvalue Be Thin Dark Su Loamy Muck Loamy Gleye	low Surface (S& rface (S9) (LRF y Mineral (F1) (I	(S, T, U)	J) 1 cm Muck (A9) 2 cm Muck (A10	(LRR O) (LRR S)
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (I 5 cm Mucky Mineral (A	.RR P, T, U)	Thin Dark Su Loamy Muck Loamy Gleye	rface (S9) (LRF y Mineral (F1) (I	(S, T, U)	2 cm Muck (A10) (LRR S)
Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (I 5 cm Mucky Mineral (A Muck Presence (A8) (I	.RR P, T, U)	Loamy Muck Loamy Gleye	y Mineral (F1) (I	RR O)		
Stratified Layers (A5) Organic Bodies (A6) (I 5 cm Mucky Mineral (A Muck Presence (A8) (I	.RR P, T, U)	Loamy Gleye	d Matrix (E2)			(E3D) (outcide tot DA 4 FOA
Organic Bodies (A6) (I 5 cm Mucky Mineral (A Muck Presence (A8) (I	.RR P, T, U)	Depleted Mat		8	Piedmont Flood	(F18) (outside MLRA 150A, plain Soils (F19) (LRR P, S,
5 cm Mucky Mineral (A Muck Presence (A8) (I	-RR P, T, U) _				Anomalous Brig	ht Loamy Soils (F20)
Muck Presence (A8) (I	71 // DD D T 111	Redox Dark \$			(MLRA 153B)	
(AO) (1	70 - 20 A COLD HOLD - COLD - C		k Surface (F7)		— Red Parent Mat	
_ 1 cm Muck (A9) (LRR	P T	Redox Depre Marl (F10) (L				ark Surface (TF12)
Depleted Below Dark !	Sundan and Add Add		ric (F11) (MLR	4 1511	Other (Explain in	n Remarks)
_ Thick Dark Surface (A	12)	Iron-Mangane	se Masses (F1	2) (LRR O. P.	T) Indicators of b	ydrophytic vegetation and
_ Coast Prairie Redox (A	(16) (MLRA 150A) _	Umbric Surfa	ce (F13) (LRR I	P, T, U)		ology must be present.
Sandy Mucky Mineral	S1) (LRR O, S) _	Delta Ochric I	F17) (MLRA 15	1)	unless disturt	bed or problematic.
 Sandy Gleyed Matrix (Sandy Redox (S5) 	S4) _	Reduced Vert	ic (F18) (MLRA	150A, 150B)		name in the second control
Stripped Matrix (S6)	· ·	_ Predmont Flo	odplain Soils (F	19) (MLRA 14:	9A)	
Dark Surface (S7) (LR	RPSTIII -	_ Anomalous B	ignt Loamy Soi	s (F20) (MLR)	A 149A, 153C, 153D)	
estrictive Layer (if obser						
Туре:						
Depth (inches).					Model - Oct Borrer	
emarks:					Hydric Soll Present?	Yes No



WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Port of Vinton	City/C	County: Calcasieu		Sampling Date: 7-5-17
Applicant/Owner: Jerry Merchant				Sampling Point: 5
Investigator(s): Jaden Ardoin and Cla	y Midkiff Section	on, Township, Range: S		
Landform (hillslope, terrace, etc.): Flat				Slope (%): 1
Subregion (LRR or MLRA): LRR T	Lat: 30.15588		-93.55626	Datum: WGS 8
Soil Map Unit Name: Edgerly loam (M				
				fication:
Are climatic / hydrologic conditions on the s				
Are Vegetation, Soil, or Hyd			il Circumstances	present? Yes No No
Are Vegetation, Soil, or Hyd	rology naturally problems	atic? (If needed,	explain any ansv	vers in Remarks.)
SUMMARY OF FINDINGS - Attac	ch site map showing san	npling point location	ons, transect	ts, important features, etc
	Yes No	Is the Sampled Area		
-	Yes No V	within a Wetland?	Yes	No
Remarks:	140			
HYDDOLOGY				
HYDROLOGY				
Wetland Hydrology Indicators:				cators (minimum of two required)
Primary Indicators (minimum of one is requ				of Cracks (B6)
Surface Water (A1)	Aquatic Fauna (B13)	Mark to the second seco		egetated Concave Surface (B6)
High Water Table (A2) Saturation (A3)	Mari Deposits (B15) (LRI			Patterns (810)
Water Marks (81)	— Hydrogen Sulfide Odor (6 — Oxidized Rhizospheres a			Lines (B18)
Sediment Deposits (B2)	Presence of Reduced Iro			T Water Table (C2) Brows (C8)
Orift Deposits (B3)	Recent Iron Reduction in	, ,		Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface (C7)	111100 00110 (00)		ic Position (D2)
Iron Deposits (B5)	Other (Explain in Remark	(5)	Shallow Aq	
Inundation Visible on Aerial Imagery (I		,		al Test (D5)
Water-Stained Leaves (89)			Sphagnum	moss (D8) (LRR T, U)
Field Observations:				
Surface Water Present? Yes	No Depth (inches):			
Water Table Present? Yes	No Depth (inches):			
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, in	No Popth (inches):			ent? Yes No 🗸
vestilot (vectorea Data (secam gauge, in	romoning wen, aentai prioros, pre	vious inspections), it ava	and the	
Remarks:				

V	EGETA1	ION.	/Five	Strata)	_	Hea	scientific	namac	of n	Jante
¥	COLINI	IVA	LLIAE	Suala	_	USE	SUBTRIBLE	Harres	UID	112111113

2	0 20% c	= Total Co	ver	Hydrophytic Vegetation Present? Yes No
3	_			Vegetation
3				
3				
1				
Woody Vine Stratum (Plot size, 30'				
50% of total cover: 50	20% c	of total cove	20	
		= Yotal Co	ver	
11				
10				Woody vine - All woody vines, regardless of height.
8				3 ft (1 m) in height.
7				plants, except woody vines, less than approximately
6	-	-		Herb – All herbeceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
5				
4. Rubus trivialis		no	FACU	Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
3. Croton capitatus			FAC_	than 3 in. (7.6 cm) DBH.
2. Sporobolus indicus	10	no	FACU	approximately 20 ft (6 m) or more in height and less
Axonopus fissifolius	85	ves	FACW	Sapting – Woody plants, excluding woody vines,
Herb Stratum (Plot size: 30"				(7.6 cm) or larger in diameter at breast height (DBH).
50% of total cover: 0		-		Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
	0	= Total Co	ver	
6 -				Definitions of Five Vegetation Strata:
4 5				Indicators of hydric soil and welland hydrology must be present, unless disturbed or problematic.
3				
2				Problematic Hydrophytic Vegetation' (Explain)
1.				3 - Prevalence Index is ≤3.01
Shrub Stratum (Plot size: 30'				✓ 2 · Dominance Test is >50%
50% of total cover. 0	20% c	if total cover	0	1 - Rapid Test for Hydrophytic Vegetation
		= Total Co		Hydrophytic Vegetation Indicators:
6	-			Prevalence Index = B/A = NaN
5				Column Totals: 0 (A) 0 (B)
4				UPL species x5 = 0
3				FACU species x 4 =0
2				FAC species x 3 =0
1.				FACW species x 2 = 0
Sanling Stratum (Plot size: 30')		A TOTAL GOVE		OBL species x 1 = 0
50% of total cover; _Q_		-		Total % Cover of:Multiply by.
	0	- Total Co		Prevalence Index worksheet:
5,6				That Are OBL, FACW, or FAC: 100 (A/B)
4				Percent of Dominant Species
3.				Species Across All Strata: 1 (B)
2.				Total Number of Dominant
1				That Are OBL, FACW, or FAC: (A)
	% Cover	Species	Status	Number of Dominant Species 4

### Anomalous Bright Loam Suffice (A5) Link P, T, U ### Deptided Boths (A6) (BLRR P, T, U) ### Deptided Boths (BR P) ### Deptide Boths (BR P) ###	Depth (inches)	Color (moist)	96	Color (moist)	ox Feature		Loc²	Taytura		Damaria	
### Title The Concentration Depletion RM=Reduced Matrix MS=Masked Sand Grains Depletion RM=Reduced Matrix RM=Reduced Matrix RM=Reduced Matrix Indicators for Problematic Hydric Soils Indicators of Problematic Hydric Soils Indicators of Hydrochydic Vegetation and Wetland Hydrology must be present. Unbris Surface (F13) (LRR P, T, U)					- %	Type		eit loam		Remarks	
ppe_C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Cocation				10y1 4/4	_ <<		PL				
dric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	-13	10yr 3/2	100					silt loam			
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histo Epipedon (A2) Ihin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 15 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Pepteted Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, 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) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F19) (MLRA 150B) Sandy Gleyed Matrix (S4) Redox (A15) (MLRA 150A) Umbric Surface (F16) (MLRA 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): Hydric Soil Present? Yes No entire the soil of the soil Present? The soil Pres											
Depleted Below Dark Surface (A11) Depleted Delaw Surface (A8) (LRR U) Depleted Below Dark Surface (A11) Depleted Delaw Surface (A8) (LRR U) Depleted Below Dark Surface (A11) Depleted Delaw Surface (A12) Depleted Delaw Surface (A13) Depleted Delaw Surface (A14) Depleted Delaw Surface (A15) Iron-Mangenese Masses (F12) (LRR O, P, T) Wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 1504) Umbric Surface (F18) (MLRA 1504) Umbric Surface (F18) (MLRA 1504) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 1508) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No Depth (inches):											
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histo Epipedon (A2) Ihin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 15 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Pepteted Dark Surface (F6) (MLRA 153B) S cm Mucky Mineral (A7) (LRR P, T, 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) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F19) (MLRA 150B) Sandy Gleyed Matrix (S4) Redox (A15) (MLRA 150A) Umbric Surface (F16) (MLRA 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): Hydric Soil Present? Yes No entire the soil of the soil Present? The soil Pres		`-									
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histo Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 15 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Pepteted Dark Surface (F6) (MLRA 153B) Sim Mucky Mineral (A7) (LRR P, T, U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Cher (Explain in Remarks) Depleted Below Dark Surface (A11) Iron-Manganese Masses (F12) (LRR O, P, T) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F20) (MLRA 149A) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): Hydric Soil Present? Yes No		×									
Depleted Below Dark Surface (A11) Depleted Delaw Surface (A8) (LRR U) Depleted Below Dark Surface (A11) Depleted Delaw Surface (A8) (LRR U) Depleted Below Dark Surface (A11) Depleted Delaw Surface (A12) Depleted Delaw Surface (A13) Depleted Delaw Surface (A14) Depleted Delaw Surface (A15) Iron-Mangenese Masses (F12) (LRR O, P, T) Wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 1504) Umbric Surface (F18) (MLRA 1504) Umbric Surface (F18) (MLRA 1504) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 1508) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No Depth (inches):		90									
Depleted Below Dark Surface (A11) Depleted Delaw Surface (A8) (LRR U) Depleted Below Dark Surface (A11) Depleted Delaw Surface (A8) (LRR U) Depleted Below Dark Surface (A11) Depleted Delaw Surface (A12) Depleted Delaw Surface (A13) Depleted Delaw Surface (A14) Depleted Delaw Surface (A15) Iron-Mangenese Masses (F12) (LRR O, P, T) Wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 1504) Umbric Surface (F18) (MLRA 1504) Umbric Surface (F18) (MLRA 1504) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 1508) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No Depth (inches):											
Depleted Below Dark Surface (A11) Depleted Delaw Surface (A8) (LRR U) Depleted Below Dark Surface (A11) Depleted Delaw Surface (A8) (LRR U) Depleted Below Dark Surface (A11) Depleted Delaw Surface (A12) Depleted Delaw Surface (A13) Depleted Delaw Surface (A14) Depleted Delaw Surface (A15) Iron-Mangenese Masses (F12) (LRR O, P, T) Wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 1504) Umbric Surface (F18) (MLRA 1504) Umbric Surface (F18) (MLRA 1504) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 1508) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No Depth (inches):	me C=C	oncentration D=D	enletion RM	=Reduced Matrix M	IS=Maske	d Sand G	rains	Togation: Pl	=Pore I	ining M=Mat	trix
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Inin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 15 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) Red Parent Material (TF2) Mucky Mineral (A7) (LRR P, T, U) Pepteted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 150A) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Brictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No	***************************************		The second secon	THE PARTY OF THE P		tion and the second second	Q11131				
Histic Epipedon (A2) Black Histic (A3) Black Histic (A4) Black Histic (A3) Black Histic (A4) Black Histic (A3) Black Histic (A4) Black Histic (A5) Black His							LRRSTI			-	
Black Histic (A3)											
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Organic Bodies (A6) (LRR P, T, U) Serious Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) Muck Presence (A8) (LRR U) Communic Mark (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 Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Sandy Redox (S5) Depleted Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No											MLRA 150A
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Mangenese Masses (F12) (LRR O, P, T) Indicators of hydrophytic vegetation and Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Learny Soils (F20) (MLRA 149A, 153C, 153D) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No	Hydroge	en Sulfide (A4)			-						
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) Indicators of hydrophytic vegetation and wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (LRR P, T, U) wetland hydrology must be present. 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) Strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No	Stratifie	d Layers (A5)		Depleted M	atrix (F3)			Anomalo	us Bright	Loamy Soils	(F20)
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Mangenese Masses (F12) (LRR O, P, T) Indicators of hydrophytic vegetation and wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No	Organic	Bodies (A6) (LRR	P, T, U)	Redox Dark	Surface (F6)					
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) Sandy Redox (S5) Delta Ochric (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (If observed): Type: Depleted Ochric (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Mangenese Masses (F12) (LRR O, P, T) Iron-Mangenese (F13) (LR											
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) Sandy Redox (S6) Dark Surface (S7) (LRR P, S, T, U) Stripped Matrix (S6) Depth (inches): Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Iron-Manganese Masses (F12) (LRR O, P, T) Wetland hydrology must be present. Umbric Surface (F13) (LRR P, T, U) Wetland hydrology must be present. Umbric Surface (F13) (LRR P, T, U) Wetland hydrology must be present. United Surface (F13) (MLRA 151) Depth (inches): Hydric Soil Present? Yes No						F8)					12)
Thick Dark Surface (A12)			•					Other (E)	optain in t	Remarks)	
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Learny Soils (F20) (MLRA 149A, 153C, 153D) Strictive Layer (If observed): Type:			ace (A11)		,			D 31- al - al	ara af bi.	بالمام بخسم بالم	
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) strictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes No	-		(M) DA 450								
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Hydric Soil Present? Yes No	_		•								•
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No) GI SKUI WS	ig of problem	IGILIN,
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Instrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No											
Dark Surface (S7) (LRR P, S, T, U) instrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	_								53D)		
Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes Noe			, S, T, U)		125	•					
Depth (inches): Hydric Soil Present? Yes No	strictive	Layer (if observe	d):								
	Туре:										
	Depth (in	ches):						Hydric Soil Pr	resent?	Yes	No 🗸
								1			
	Wiles III Was										



WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Port of Vinton	City/County: Calca	asieu	Sampling Date: 7-5-17
Applicant/Owner: Jerry Merchant			Sampling Point: 6
Investigator(s): Jaden Ardoin and Clay Midkiff	Section, Township,		
Landform (hillslope, terrace, etc.); Depression	Local rehef (concave		
7	30 15403	02 55202	Slope (%): 0
Subregion (LRR or MLRA): LRR T Soil Map Unit Name: Leton silt loam (Lt)		NWI classifi	
Are climatic / hydrologic conditions on the site typical for			
Are Vegetation, Soil, or Hydrology			
		re Mormai Lircumstances	present? Yes V No
Are Vegetation, Soil, or Hydrology			
SUMMARY OF FINDINGS - Attach site ma	ap showing sampling poin	t locations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Yes	No		
Hydric Scil Present? Yes	No		No
Welland Hydrology Present? Yes	No	taller 195	NO
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)	Surface Soil	Cracks (B6)
1	atic Fauna (B13)	Sparsely Ve	getated Concave Surface (88)
1 .1 -	Deposits (B15) (LRR U)	Orainage Pa	ittems (810)
	ragen Suffide Odor (C1)	Moss Trim L	ines (B16)
	ized Rhizospheres along Living Ro	ots (C3) Dry-Season	Water Table (C2)
	ence of Reduced Iron (C4)	Crayfish Bui	Tows (C8)
	ent Iron Reduction in Tilled Soils (Co		isible on Aerial Imagery (C9)
	Muck Surface (C7)		Position (D2)
Inundation Visible on Aerial Imagery (B7)	er (Explain in Remarks)	Shallow Aqu	
Water-Stained Leaves (B9)		FAC-Neutral	
Field Observations:		Spragnum r	noss (D8) (LRR T, U)
Surface Water Present? Yes No	Depth (inches):		
	Depth (inches):		
		Neliand Hudenlany Proces	nt? Yes V No
(includes capillary fringe)			NO NO
Describe Recorded Data (stream gauge, monitoring we	ell, aerial photos, previous inspectio	ms), if available:	
B 4			
Remarks:			

Tree Stratum (Plot size: 30'	% Cover		Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC 2 (A)
3				Total Number of Dominust
5. 				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.666 (Art
	0		(0.5	Prevalence Index worksheet:
50% of total cover: 0				Total % Cover of: Multiply by.
Sapling Stratum (Plot size: 30'		10401 00101		OBL species x 1 = 0
				FACW species x 2 = 0
2,				FAC species x 3 =0
3.				FACU species x 4 =0
				UPL species x 5 =0
				Column Totals: 0 (A) 0 (B
×				Prevalence Index = B/A =NaN
	0			Hydrophytic Vegetation Indicators:
50% of total cover: 0	20% of	total cover	0	1 - Rapid Test for Hydrophytic Vegetation
Shrub Stratum (Plot size: 30'				✓ 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0
	-			Problematic Hydrophytic Vegetation¹ (Explain)
				Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
				Definitions of Five Vegetation Strata:
	0 -			Tree - Woody plants, excluding woody vines,
50% of total cover: 0 Herb Stratum (Plot size: 30')	20 % of	total cover:	0	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or targer in diameter at breast height (DBH).
	45	VOC	FACU	I .
	35	ves	FACW	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and fess
Axonopus fissifolius Alternanthera philoxeroides	20	7.17	OBL	then 3 in. (7.6 cm) DBH.
` ·			ODL	Shrub – Woody plants, excluding woody vines,
				approximately 3 to 20 ft (1 to 6 m) in height.
				Herb All herbaceous (non-woody) plants, including
	: ():			herbaceous vines, regardless of size, and woody
(<u> </u>				plants, except woody vines, less than approximately 3 ft (1 m) in height.
				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
0				Woody vine - All woody vines, regardless of height.
1,				
	100 =	Total Cov	er	
50% of total cover: _50	20% of t	total cover:	20	
Voody Vine Stratum (Piol size: 30')				
				Hydrophytic
	0 -			Vegetation Present? Yes No
50% of total cover: 0	20% of t	otal cover:	0	1.02 4 140

inches)	Color (moist)	96	Color (moist)	ox Feature %	Type	_Loc²	Texture	Remarks
0-4	10yr 5/2	95	10yr 5/6	5	C	PL	silt loam	Remarks
4-13	10yr 4/1	95	10yr 5/6	5				
-13	10y1 4/1		1091 3/6	5	D	M	silt loam	
					-			
ype: C=C vdrlc Soil	oncentration, D=D Indicators: (Ann	eptetion, RM	-Reduced Matrix, M LRRs, unless othe	S=Masker	d Sand G	ains.		L=Pore Lining, M=Matrix.
_ Histosol		medble to on	Polyvalue Be			RRST		f Problematic Hydric Solis ³ : × (A9) (LRR O)
_ Histic E	pipedon (AZ)		Thin Dark Su				. —	ck (A10) (LRR S)
	stic (A3)		Loamy Muck					Vertic (F18) (outside MERA 150A,
	n Sulfide (A4)		Loamy Gleye		(F2)		Piedmont	Floodplain Soils (F19) (LRR P, S, T
	Layers (A5)		✓ Depleted Ma	frix (F3)				us Bright Loamy Soils (F20)
	Bodies (A6) (LRF		Redox Dark				(MLRA	•
	cky Mineral (A7)							ent Material (TF2)
	esence (A8) (LRR ick (A9) (LRR P, 1		Redox Depre		8)			llow Dark Surface (TF12)
	Below Dark Surf		Mart (F10) (L		(511) 10 4 4	F41	Other (Ex	plain in Remarks)
	ark Surface (A12)	ace (ATT)	Depleted Oc Iron-Mangan				The Atmost contra	and afternoon to the second
	rairie Redox (A16	(MLRA 150)	A) Umbric Surfa					ors of hydrophylic vegetation and and hydrology must be present.
	lucky Mineral (S1		Delta Ochric			, 01		disturbed or problematic.
	leyed Matrix (S4)		Reduced Ver			OA, 150B)		distributed of product radic.
	edox (S5)		Piedmont Flo					
	Matrix (S6)		Anomalous E	Bright Loa	ny Soils (F20) (MLR	A 149A, 153C, 15	53D)
	face (S7) (LRR P							
estrictive I	ayer (if observe	d):						
							1	
Туре:								
	thes):						Hydric Soll Pro	esent? Yes V No
	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pr	esent? Yes V No No
Depth (inc	thes):		_				Hydric Soll Pr	esent? Yes V No No
Depth (inc	:hes):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No No
Depth (inc	ches):						Hydric Soll Pr	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pr	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pr	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pr	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pr	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No
Depth (inc	ches):						Hydric Soll Pro	esent? Yes V No



WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Port of Vinton		City/County: Calcasi	eu	Sampling Date: 7-5-17
Applicant/Owner: Jerry Merchant				Sampling Point: 7
Investigator(s) Jaden Ardoin and C	lay Midkiff	Section, Township, Ra		
Landform (hillslope, terrace, etc.): Depre				Slope (%): 0
Subregion (LRR or MLRA): LRR T		0.15628		
Soil Map Unit Name: Edgerly loam (_	ification:
Are climatic / hydrologic conditions on the				
Are Vegetation, Soil, or H				
Are Vegetation, Soil, or H				
SUMMARY OF FINDINGS - Att	ach site map show	wing sampling point I	ocations, transec	ts, important features, etc.
Hydrophytic Vegetation Present?	Yes No	h. H O		
Hydric Soil Present?	Yes V No	10 010 00000		
Wetland Hydrology Present?	Yes V No	within a Wetlan	nd? Yes	No
Remarks:				
Depressional area				
HYDROLOGY				
Wetland Hydrology Indicators:			Cocondan, Inc	Contace (minimum of the sea the d)
Primary Indicators (minimum of one is re	nexticad chack all that a	naly)		licators (minimum of two required)
				oil Cracks (86)
Surface Water (A1) High Water Table (A2)	Aquatic Faun:			Vegetated Concave Surface (B8) Patterns (B10)
Saturation (A3)	Mart Deposits	fide Odor (C1)		Lines (B16)
Water Marks (B1)		cospheres along Living Roots		on Water Table (C2)
Sediment Deposits (B2)		Reduced fron (C4)		Surrows (C8)
Drift Deposits (B3)		leduction in Tilled Soils (C6)		Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Su			hic Position (D2)
tran Deposits (B5)	Other (Explain		Shallow A	quiterd (D3)
Inundation Visible on Aerial Imager	y (B7)		FAC-Neut	ral Test (D5)
Water-Stained Leaves (89)			Sphagnur	n moss (D8) (LRR T, U)
Field Observations:				
Surface Water Present? Yes	No V Depth (in	ches):		
Water Table Present? Yes				
Saturation Present? Yes	No Depth (in	ches): 0-6 We	Mand Hydrology Pres	sent? Yes No
Describe Recorded Data (stream gauge	, monitoring well, aerial	photos, previous inspections	s), if available	
Remarks:				

VEGETATION (Five Strata) - Use scientific names of plants

201		Dominan		Dominance Test worksheet:
Tree Stratum (Plot size: 30')	% Cover	<u>Species'</u>	? Status	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2				Total Number of Dominant
3.				Species Across All Strata: (B)
4.				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: NaN (A/B)
6		= Total Co		Prevalence Index worksheet;
50% of total cover: 0		-		Total % Cover of; Multiply by:
Sapling Stratum (Plot size: 30')	20 76 0	OF CORRECTORS	1	OBL species 1 x 1 = 1
1				FACW species 2 x 2 = 4
2				FAC species x 3 =0
3.				FACU species 1 x 4 = 4
4				UPL species x 5 = 0
ъ				Column Totals: 4 (A) 9 (B)
6		= Total Co	78/78 C	Prevalence Index = B/A = 2.25
50% of total cover 0		_		Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size: 30')	THE PERSON NAMED IN			1 - Rapid Test for Hydrophytic Vegetation
1				2 - Dominance Test is >50%
2.				3 • Prevalence Index is \$3.01
3.				Problematic Hydrophytic Vegetation* (Explain)
4				The disease of books of the desired books of the de
5				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6.				Definitions of Five Vegetation Strata:
	0	= Total Co	over	~
50% of total cover: 0	20% (– of total cove	er: _0	Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in
Herb Stratum (Plot size: 30'			,,,	(7.6 cm) or larger in diameter at breast height (DBH).
1. Axonopus fissifolius	75	yes	FACW	Sapting - Woody plants, excluding woody vines,
2. Juneus effusus	15	по	OBL	approximately 20 ft (6 m) or more in height and less
3. Digitaria ciliaris	5	no	FACU	than 3 in. (7,6 cm) D8H.
Cyperus pseudovegetus	=7.1		FACW	Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
5. 6.				Herb - All herbaceous (non-woody) plants, including
7	-00			herbaccous vines, regardless of size, and woody
8				plants, except woody vines, less than approximately 3 ft (1 m) in height.
9				
10				Woody vine - All woody vines, regardless of height,
11				
		= Total Co	over	
50% of total cover: 50	20%	of total cove	r: <u>20</u>	
Woody Vine Stratum (Plot size, 30*)				
1				
2				
3		-	-	
4				
5.				Hydrophytic
	0	_ ≈ Total Co	over	Vegetation Present? Yes ✓ No
50% of total cover: 0	20%	of total cove	0	Fiesenti 162 - MO
Remarks: (If observed, list morphological adaptations bef	OW).			

ches)	Color (moist)		Color (moist)	lox Features %	Type	Loc	Texture	Remarks	
4.7	10yr 5/1	98	10yr 4/4	<2	С	PL	silt loam	Remarks	
	10yr 4/2				**				
-13	10y1 4/2	95	10yr 4/4	_ 5	_D	<u>M</u>	clay loarr		
no C-C	neartestion Del	Danistian Old	=Reduced Matrix, N	40-14-also d	040		7	Section Mark	
			LRRs, unless oth			ains.		=Pore Lining, M=Matri Problematic Hydric 3	
Histosol				Below Surfec		RRST		k (A9) (LRR O)	JOHA .
	pipedon (A2)		Thin Dark 8					k (A10) (LRR S)	
Black Hi	stic (A3)			ky Mineral (Vertic (F18) (outside li	ILRA 150A
	n Sulfide (A4)		Loamy Gle	yed Matnx (F2)		Piedmont	Floodplain Soils (F19)	(LRR P, S,
	Layers (A5)		Depleted M					is Bright Loamy Soils (I	F20)
-	Bodies (A6) (LRf			Surface (F			(MLRA		
	icky Mineral (A7) esence (A8) (LRI			ark Surface ressions (F			_	nt Material (TF2)	21
	ck (A9) (LRR P,		Mad (F10)		> <i>)</i>			low Dark Surface (TF1. plain in Remarks)	Z}
	Below Dark Sur			chric (F11)	MLRA 1	51)	Ottor (c.a)	pioni in ivenidika)	
Thick De	irk Surface (A12)			nese Masse	-		, T) Indicato	rs of hydrophytic veget	ation and
	rairie Redox (A16		A) Umbric Sur	face (F13) (LRR P,	r, U)	wetlan	d hydrology must be pr	esent,
	lucky Mineral (S1			c (F17) (ML				disturbed or problemat	ic
	Reyed Matrix (S4))		ertic (F18) (
	edox (S5) Matrix (S6)			loodolain Si Bright Lean		-	49A) RA 149A, 153C, 15	(20)	
	rface (S7) (LRR f	PSTIN		DINGILLEON	ity Soils	,FZO) (MILI	OR 193M, 103C, 10	וטטו	
	ayer (if observe								
Type:									
Depth (inc							Hydric Soil Pre	esent? Yes	No
								V	10000
Depth (inc marks:	ches):						Hydric Soil Pre	esent? Yes	_

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

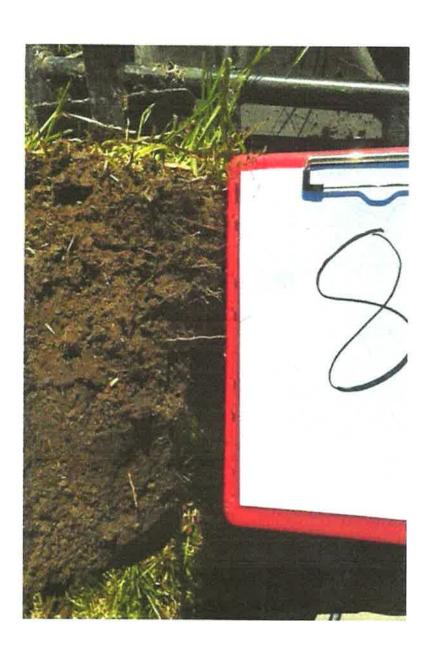
Applicant/Owner Jerry Merchant Investigator(s) Jaden Ardoin and Clay Midkiff Section, Township, Range, Sec 26, T 105, R 12W Landform (nillalope, tenace, etc.): Flat Local relief (concave, convex, none) Slope (%): 1 Subregion (LRR or MLRA): LRR T Lat: 30.15752 Long93.56116 Datum: WGS 8 Soil Map Unit Name, Edgerly loam (Mr) Are dimatic / hydrologic conditions on the safe lypical for this time of year? Yos. No. (If no, explain in Remarks) Are Vegetation, Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No. Are Vegetation, Soil or Hydrology naturally problematic? United September (Investigation Present) Hydrophytic Vegetation Present? Ves No. Within a Worland? Westand Hydrology Indicators: Frimary Indicators (minimum of one is required; check at that apply) Surface Soil Cricks (IBs) Hydrology Present? Westand Hydrology Indicators: Secondary Indicators (minimum of two required) Hydrology Present? Westand Hydrology Indicators: Surface Soil Cricks (IBs) Hydrology Surface Soil Cricks (IBs) Hydrology Present? Water Marks (II) Aquatic Fauna (IB13) Surface Soil Cricks (IBs) Hydrology Indicators: Secondary Indicators (minimum of two required) Hydrology Present? Yes No Mark Deposits (IBs) Hydrology Indicators: Secondary Indicators (Iminimum of two required) Hydrology Indicators: Secondary Indicators (Iminimum of two required) Hydrology Present? Yes No Mark Deposits (IBs) Hydrology Indicators: Secondary Indicators (Iminimum of two required) Hydrology Indicators: Secondary Indicators (Iminimum of two require
Investigator(s) Jaden Ardoin and Clay Midkiff Section, Township, Range, Sec 26, T 10S, R 12W Landform (nilislope, terrace, etc.): Flat Local relief (concave, corrivex, none); nOne Slope (%): 1 North (Assailication) North (Assailication) Are climatic / hydrologic conditions on the sife hybical for this time of year? Yos No (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation Soil or Hydrology industriated? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS — Attach site maps showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Within a Weltand? Yes No Weltand Hydrology Present? Yes No Within a Weltand? Yes No Weltand Hydrology Present? Yes No Within a Weltand Hydrology Present? Yes No Within a Weltand Hydrology Present? Yes No Within a
Landform (nilislope, terrace, etc.): Flat
Subregion (LRR or MLRA). LRR T Lat: 30.15752 Long93.56116 Datum: WGS 8 Soil Map Unit Name: Edgerly loam (Mr) Are climatis / hydrologic conditions on the side typical for this time of year? Yos No (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Within a Wetland? Yes No Within a Wetland? Hydrology Present? Yes No Within a Wetland? Yes No Within a Wetland? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required, check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Mari Deposits (B15) (LRR U) Dramage Patterns (B10) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Clayfish Burrows (C6) Soil Cracks (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Industrial Table Present? Yes No Depth (inches): Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Pepth (inches)
Soil Map Unit Name: Edgerly loam (Mr) Are dimatic hydrologic conditions on the side hypical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are 'Normal Circumstances' present? Yes No Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No Is the Sampled Area within
Are climatic / hydrologic conditions on the site typical for this time of year? Yos No (If no, explain in Remarks) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No No (If no, explain in Remarks.) SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Within a Wetland? Yes No Within a Wetland? Yes No No No No No No No No No N
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SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophylic Vegetation Present? Yes No Within a Wortland? Wetland Hydrology Present? Wetland Hydrology Present? 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) Mant Deposits (B15) (LRR U) Saturation (A3) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Oriff Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Inon Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inudation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches):
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Wetland Hydrology Present? Remarks. HYDROLOGY
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Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13) Sparsety Vegetated Concave Surface (B8) High Water Table (A2) Mart Deposits (B15) {LRR U} Drainage Patterns (B10) Moas Trim Lines (B16) Water Marks (B1) Sediment Deposits (B2) Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Field Observations: Surface Soit Cracks (B6) Sparsety Vegetated Concave Surface (B8) Drainage Patterns (B10) Moas Trim Lines (B10)
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High Water Table (A2) Seturation (A3) Hydrogen Sulfide Odor (C1) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Table (A2) Seturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Iron Deposits (B3) Other (Explain in Remarks) Shallow Aquitard (D3) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Moss Control of Available.
Water Marks (B1)
Sediment Deposits (B2)
Orift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saluration Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.
Algal Mat or Crust (84) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (87) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Finches (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.
Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.
Inundation Visible on Aerial Imagery (87) FAC-Neutral Test (D5) Water-Stained Leaves (89) Sphagnum moss (D8) (LRR T, U)
Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.
Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.
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Water Table Present? Yes No V Depth (inches): Saturation Present? Yes No V Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.
Remarks;
Remarks;

7.00	Absolute Dominant Indicator	
Tree Stratum (Plot size: 30'		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Commant Species Across All Strata: 1 (B)
4,		Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B
6	0 = Total Cover	Prevalence Index worksheet;
Sapling Stratum (Plot size: 30')		Total % Cover of: Mulliply by OBL species
3	-,,,	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6		Definitions of Five Vegetation Strata:
50% of total cover: 0 Herb Stratum (Plot size: 30')	0 = Total Cover 20% of total cover: 0	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (OBH).

1. Axonopus fissifolius 75 FACW Sapling - Woody plants, excluding woody vines, Rubus trivialis _____<u>15</u> no FACU approximately 20 ft (6 m) or more in height and less than 3 in, (7.6 cm) DBH. 3. Sporobolus indicus 10 no FACU Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. 6.____ Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height... Woody vine - All woody vines, regardless of height. 100 = Total Cover 50% of total cover; 50 20% of total cover; 20 Woody Vine Stratum (Plot size: 30') Hydrophytic 0 = Total Cover Vegetation Yes V No Present? 50% of total cover: 0 20% of total cover: 0 Remarks: (If observed, list morphological adaptations below).

-	-	44
	$^{\sim}$	88
a	u	31

nches) I-8	Color (moist)	%	Color (moist)	dox Feature %	Type	Loc2	Texture	Damastra	
	10yr 4/2	98	10yr 4/4	- 20	С	PL	silt loam	Remarks	>
-13	10yr 3/1	100	10y1 4/4						
-13	10y1 3/1						silt loam		
			×						
		_			. —				
			/ 		-				
			=Reduced Matrix,			ains.		-Pore Lining, M=Ma	
		licable to al	LRRs, unless off					Problematic Hydri	c Solls':
Histosol			Polyvalue						
	pipedon (A2)		Thin Dark					(A10) (LRR S)	
_	stic (A3) in Sulfide (A4)		Loamy Mu Loamy Gle	-		(0)	_	/ertic (F18) (outside	
	Layers (A5)		Depleted h	-	(FZ)			Floodplain Soits (F1 s Bright Loamy Soits	
	Bodies (A6) (LRF	P. T. UI	-	k Surface (FS)		(MLRA 1		s (F2U)
	icky Mineral (A7)				•		·	t Material (TF2)	
_	esence (A8) (LRF		Redox Dej		- /			ow Dark Surface (Ti	F12)
-	ick (A9) (LRR P,		Marl (F10)		-,			lain in Remarks)	,
Depleted	Below Dark Sun	face (A11)	Depleted (Ochric (F11) (MLRA 1	51)	Concerption	,	
	irk Surface (A12)		Iron-Mang	anese Mas	ses (F12)	LRR O, P	, T) Indicator	s of hydrophytic ver	getation and
_	rairie Redox (A16					', U)	wetland	hydrology must be	present,
-	lucky Mineral (S1							disturbed or problen	natic.
	Reyed Matrix (S4)	1	Reduced \						
-	ledox (S5)		Piedmont I						
	Matrix (S6) rface (S7) (LRR F	0.7300	Anomaiou	s Bright Lot	army Solls I	F-20] (MILI	RA 149A, 153C, 15	3D)	
	Layer (If observe						T		
Туре							1		
- '	ches):	-					Abodes Boll Bo		
Donath Govern	SHEST.						Hydric Soll Pre	sent? Yes	No V
Depth (inc emarks:									



WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

roject/Site: Port of Vinton		City/C	County. Calcasieu		Sampling Date.
pplicant/Owner: Jerry Merchant			S	itate: LA	Sampling Point: 9
vestigator(s) Jaden Ardoin and	Clay Midkiff	Secti	on, Township, Range: Se	ec 26, T 10S,	R 12W
vestigator(s) Gaden Ardenn and andform (hillstope, terrace, etc.): Flat	a.a.y	i ocal	Irelief (concave convex o	none); none	Slope (%): 1
	<u> </u>	30 15916	Tong (Concave, Conven.	3.56121	Datum: WGS
oil Map Unit Name: Edgerly loam					ation.
re climatic / hydrologic conditions on t	he site typical for	this time of year?	Yes No (If no, explain in R	emarks.)
re Vegetation, Soil, or	Hydrology	significantly distu	rbed? Are "Normal	Circumstances" p	present? Yes No No
re Vegetation Soil, or	Hydrology	naturally problem	satic? (If needed, e	xplain any answe	rs in Remarks.)
SUMMARY OF FINDINGS - A					
Hydrophytic Vegetation Present?		No			
Hyoric Soil Present?		No 🗸	Is the Sampled Area within a Wetland?	Van	No V
Welland Hydrology Present?	Yes	No 🗸	Miffills 9 Assetiment		
Remarks					
HYDROLOGY					
Wetland Hydrology Indicators:				Secondary Indic	ators (minimum of two required
Primary Indicators (minimum of one	is required; check	call that apply)		Surface Soi	
Surface Water (A1)		ratic Fauna (B13)		Sparsely Vo	egetated Concave Surface (B8)
High Water Table (A2)		il Deposits (B15) (Li	RR U)		attems (B10)
Saturation (A3)		frogen Sulfide Odor		Mass Trim	Lines (B16)
Water Marks (B1)			along Living Roots (C3)	Dry-Season	Water Table (C2)
Sediment Deposits (B2)		sence of Reduced I		Crayfish Bu	
Onft Deposits (B3)			in Tilled Soits (C6)		Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thi	n Muck Surface (C7	")	*	c Position (D2)
Iron Deposits (B5)	Oil	er (Explain in Rema	arks)	Shallow Aq	
Inundation Visible on Aerial Ima	igery (B7)				al Test (D5)
Water-Stained Leaves (B9)				Sphagnum	moss (D8) (LRR T, U)
Field Observations:					
		Depth (inches)			
		Depth (inches):		_	
Saturation Present? Yes	No V	_ Depth (inches): _	Wetland	Hydrology Pres	ent? Yes No V
		well aenal photos	previous inspections), if av	allable:	
(includes capillary fringe)	aude, monitoring t				
uncludes capillary fringe) Describe Recorded Data (stream ga	auge, monitoring	area, action priority,			
(includes capillary fringe) Describe Recorded Data (stream gains Remarks:	auge, monitoring	Total process			

EGETATION (Five Strata) – Use scientific nam		Dominant	Indicator	Dominance Test worksheet:	g Point: 9	
ree Stratum (Plot size: 30'		Species?		Number of Descious Supplies		
				Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
				Total Number of Dominant	1	.D.
				Species Across Ali Strata:	<u> </u>	(B)
				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)
				Prevalence Index worksheet:		
50% of total cover: 0				Total % Cover of:		
sapling Stratum (Plot size: 30')	20 % 0	total cover.	<u> </u>	OBL species x 1 :	= 0	-
approximation (Fig. 322)				FACW species x 2		_
				FAC species x 3 :		_
				FACU species x 4 :		_
				UPL species x 5		_
				Column Totals: 0 (A)	0	(B)
				Prevalence Index = B/A =	NaN	_
		= Total Cov		Hydrophylic Vegetation Indicato	rs:	
50% of total cover: 0	20 % of	total cover.	0	1 - Rapid Test for Hydrophytic	Vegelation	
hrub Stratum (Plot size: 30'				✓ 2 - Dominance Test is >50%		
				3 - Prevalence Index is ≤3.0		
				Problematic Hydrophytic Vege	tation1 (Expla	in)
*						
			-	Indicators of hydric soil and wetlar	nd hydrology:	must
				be present, unless disturbed or pro	blematic.	
				Definitions of Five Vegetation St	rata:	
		= Total Cov		Tree - Woody plants, excluding we	oody vines.	
50% of total cover: 0	20% 0	f total cover	0	approximately 20 ft (6 m) or more i (7.6 cm) or larger in diameter at bro	n height and i	
Axonopus fissifolius	75	ves	FACW	Continue Microsty electron controller		_
Coorabalus indiaus	15	no	FACU	Sapling - Woody plants, excluding approximately 20 ft (6 m) or more		
Croton capitatus	5	no	FAC	than 3 in. (7.6 cm) DBH.		
Juncus coriaceus	5	no	FACW	Shrub - Woody plants, excluding	woody vines,	
				approximately 3 to 20 ft (1 to 6 m)		
Y	(Herb - All herbaceous (non-wood)	/) plants, inclu	udina
Y				herbaceous vines, regardless of si	ze, and wood	ly
				plants, except woody vines, less the 3 ft (1 m) in height.	an approxima	ately
				Sit (1 m) in reight.		
0				Woody vine - All woody vines, re-	gardless of he	eight.
11						
	100	= Total Co	ver			
50% of total cover: <u>50</u>						
Moody Vine Stratum (Plot size: 30'						
Noody Vine Stratum (Plot size. 30')						
1			-			
Noody Vine Stratum (Plot size. 30') 1						

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

_ = Total Cover

Remarks: (If observed, list morphological adaptations below).

Yes _ No _

Hydrophytic Vegetation Present?

pth Color (moist) % Color (moist) % Type Color (moi	*Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils*: 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A, E Piedmont Floodplain Soils (F19) (LRR P, S, T Anomalous Bright Learny Soils (F20) (MLRA 153B) Red Parent Material (TF2)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: C=Concentration D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: C=Concentration D=Depletion Substance Sand Grains. Type: C=Concentration D=Depletion Sand Grains. Type:	*Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils*: 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A, E Piedmont Floodplain Soils (F19) (LRR P, S, T Anomalous Bright Learny Soils (F20) (MLRA 153B) Red Parent Material (TF2)
Type: C=Concentration_D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: C=Concentration_D=Depletion. Type: C=Conc	Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solls*: 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A, E Piedmont Floodplain Soils (F19) (LRR P, S, T Anomalous Bright Loamy Solls (F20) (MLRA 153B) Red Parent Material (TF2)
Type: C=Concentration. D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) Histic Epipedon (A2) Polyvalue Below Surface (S9) (LRR S, T, U) Histic Epipedon (A2) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Poepleted Matrix (F3) Organic Bodies (A6) (LRR P, T, U) Redox Derk Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Redox Depressions (F8)	Indicators for Problematic Hydric Soils: 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A, E Piedmont Floodplain Soils (F19) (LRR P, S, T Anomalous Bright Loamy Soils (F20) (MLRA 153B) Red Parent Material (TF2)
Histosol (A1)	Indicators for Problematic Hydric Soils: 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A, E Piedmont Floodplain Soils (F19) (LRR P, S, T Anomalous Bright Loamy Soils (F20) (MLRA 153B) Red Parent Material (TF2)
Muck Presence (A6) (LRR 0) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Coast Prairie Redox (A16) (MLRA 150A) Delta Ochric (F17) (MLRA 151)	Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 14: Anomalous Bright Loamy Soils (F20) (MLR Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (If observed):	RA 149A, 153C, 153D)
Туре	Hydric Soll Present? Yes No
Depth (inches):	



ATTACHMENT B

Prior Converted

SCS-CPA-026

(1-98)

1. Name and Address of Person Howard WiTrahan R+ Box 1050 Sulphut, LA 70663

HIGHLY ERODIBLE LAND AND WETLAND

CONSERVATION DETERMINATION 5. Farm No. and Trans-No. 4. Name of USDA Agency or Person Requesting Determination FAHA F1082 SECTION I - HIGHLY ERODIBLE LAND (18 Field No.(s) Total Acres 5. Is soil survey now available for making a highly erodible land determination? Yes 7. Are there highly erodible soil map units on this farm? 3. List highly erodible fields that, according to ASCS records, were used to produce an agricultural commodity in any crop year during 1981-1985. 9. List highly eradible fields that have been or will be converted for the production of agricultural commodities and, according to ASCS records, were not used for this purpose in any crop year during 1981-1985; and were not enrolled in a USDA set-aside or diversion program. 10. This Highly Erodible Land determination was completed in the: Office 🌃 Field NOTE: If you have highly erodible cropland fields, you may need to have a conservation plan developed for these fields. For further information, contact the local office of the Soll Conservation Service.

SECTION II - WE	TLAND			
11. Are there hydric soils on this farm?	Yes	No	Field No.(s)	Total Wetland Acres
	-			
List field numbers and acres, where appropriate, for the following EXEMPTED WETLANDS:				
12. Wetlands (W), including abandoned wetlands, or Farmed Wetlands (FW). Wetlands may be farmed under natural conditions. Farmed Wetlands may be farmed and maintained in the same manner as they were prior to December 23, 1985, as long as they are not abandoned.				
13. Prior Converted Wetlands (PC) - The use, management, dreinage, and alteration of prior converted wetlands (PC) are not subject to FSA unless the area reverts to wetland as a result of abandonment. You should inform SCS of any area to be used to produce an agricultural commodity that has not been cropped, managed, or mainteined for 5 years or more.			روس وس ا	
 Artificial Wetlands (AW) - Artificial Wetlands includes irrigation induced watlands. These Wetlands are not subject to FSA, 				
15. Minimal Effect Wetlands (MW) - These wetlands are to be farmed according to the minimal effect agreement signed at the time the minimal effect determination was made.				
NON-EXEMPTED WETLANDS: LOCAEN WETLANDS	- Cuorioi		UN1,0N4	30
16. Converted Wetlands (CW) - In any year that an agricultural commodity is planted on these Converted Wetlands, you will be ineligible for USDA benefits. If you believe that the conversion was commenced before December 23, 1985, or that the conversion was caused by a third party, contact the ASCS office to request a commenced or third party determination.			,	

are considered maintenance and are in compilance 17. The planned alteration measures on wetlands in fields. are not considered to be maintenance and if installed

18. The planned alteration measures on wetlands in fields will cause the area to become a Converted Watland (CW). See item 16 for Information on CW.

19. This watland determination was completed in the: Office

Mailed 20. This determination was: Delivered To the Person on Date: .

NOTE: If you do not agree with this determination, you may request a reconsideration from the person that signed this form in Block 22 below. The reconsideration is a prerequisite for any further appeal. The request for the reconsideration must be in writing and must state your reasons for the request. The request must be mailed or delivered within 15 days after this determination is mailed to or otherwise made available to you. Please see reverse side of the producer's copy of this form for more information on appeals procedure.

NOTE: If you intend to convert additional land to cropland, or after any watlands, you must initiate another Form AD-1026 at the local office of ASCS. Abandonment is where land has not been cropped, managed, or maintained for 5 years or more. You should inform SCS if you plan to produce an agricultural commodity on abandoned wetlands.

21. Asmarks Field Unt contains hydric Soik, is wonded to probably wattend. The produces should consut request an on-site determination before produced chops on this field

22. Signature of SCS District Conservationist

1-26 87



CONSERVATION DETERMINATION

R+ 2 Box &6. Vinton, LA >0668

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te of USDA Agency or Person Requesting Determination	FMHA		FIO	NAME AND ADDRESS OF THE OWNER, WHEN PERSON NAMED IN	(T6470 T7
SECTION I - I		DIBLE	LAND	1834 4158	
s soil survey now available for making a highly erodible land determine	tion?	Yes	No	Field No.(s)	Total Acres
	- 1	/	•		
are there highly erodible soil map units on this farm?	-		1		
ist highly erodible fields that, according to ASCS records, were used to a agricultural commodity in any crop year during 1981-1985.	o produce				
ist highly erodible fields that have been or will be converted for the pr grigultural commodities and according to ASCS records, were not used urpose in any crop year during 1981-1985; and were not enrolled in a gr-aside or Diverion Program.					*
This Highly Erodible Land determination was completed in the office	Field			!	,
NOTE: If you have highly erodible cropland fields, you may need to local office of the Soil Conservation Service.	have a conserva	tion plan	developed	for these fields. For furths	r Information, contact th
SECT	ION II - WET	LAND			
Are there hydric solls on this farm?	<u></u>	Yes	No	Field No.(s)	Total Wetland Acres
field numbers and acres, where appropriate, for the following EMPTED WETLANDS:					
Wetlands (W), including shandoned watlands, or Farmed Watlands (F) Wetlands may be farmed under natural conditions. Parmed Wetlands be farmed and maintained in the same manner as they were prior to December 23, 1985, as long as they are not abandoned.	W). m#y,			i.	
Prior Converted Wetlands (PC) - The use, management, drainage, and of prior converted wetlands (PC) are not subject to FSA unless the art to wetland as a result of abandonment. You should inform SCS of an be used to produce an agricultural commodity that has not been crop managed, or maintained for 5 years or more.	ny area to			1	4
Artificial Wetland (AW) - Artificial Wetlands includes irrigated induce These Wetlands are not subject to FSA.	ed watlands.				44
Minimal Effect Watland (MW) - These watlands are to be farmed accomminimal effect agreement signed at the time the minimal effect determines made.	ording to the mination				
N-EXEMPTED WETLANDS:		li -			
Converted Wetlands (CW) - In any year that an agricultural commodition these Converted Wetlands, you will be ineligible for USDA benefit believe that the conversion was commenced before December 23, 19 the conversion was caused by a third party, contact the ASCS office commenced or third party determination. ***********************************	86, or that				
		100		are considered mainten	ance and are in compliant
. The planned alteration measures on wetlands in fields with FSA.				- F	
The planned alteration measures on wetlands in fields will cause the area to become a Converted Wetland (CW). See item	16 for Informat	ion on CW		are not considered to be r	naintenance and if installe
This watland determination was completed in the office	eld				
	on on Catel	1-28-	-88		
NOTE: If you do not agree with this determination, you may require consideration is a prerequisite for any further appeal. The request The request must be mailed or delivered within 15 days after this dependencer's copy of this form for more information on appeals processed in the producer's copy of this form for more information on appeals processed in the producer of the produc	est a reconsidera t for the reconsi etermination is a procedure.	tion from deration n nailed to d	the person nust be in t or otherwin	e made available to you. f	Please see reverse side of
agricultural commodity on abandoned watiands.	prior conv		4.00		
. Remarks \$20200	Non-Hel ar				
	hydric so		-117 01 10		
2. Signature of SUS District Conservationist	· Ka	وروز الم	. L.A	23.0	-28-8B
ssistance and Jagrama of the Soil Conservation Service evallable with	out reserd to re	ce, religio	n, color, se		v .
Harance and Strains of the 2011 Courses seriou 24 area estimated when					

