# Exhibit FF. Port Barre Industrial Park - Central Site Wetlands Delineation Report







# Port Barre Industrial Park - Central Site Wetlands Delineation Report

WETLAND DELINEATION
PORT BARRE INDUSTRIAL PARK
39.2-ACRE CENTRAL SITE TRACT
PORT BARRE, ST. LANDRY PARISH, LOUISIANA

Prepared for:

One Acadiana 804 East St. Mary Blvd. Lafayette, Louisiana 70503

January 7, 2019

C. Blaine Johnson, P.E. Managing Owner

Cleveland Hoffpauir Environmental Scientist

Prepared by:

Southland Environmental, LLC

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#### **SUMMARY**

Approximate 39.2 acres of property located south of Highway 190 in Port Barre, St. Landry Parish, Louisiana was evaluated for the presence of jurisdictional wetlands. The property is currently planted in soybeans and appears to have been in agriculture for many years. Soils present on the property, as mapped by the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS) includes Baldwin silty clay loam, and Dundee silt loam. The investigated property is undeveloped and herbaceous (non-woody), void of any trees, shrubs, or vines.

The wetland delineation was performed in accordance with the procedures and methods as described in the U.S. Department of the Army Corps of Engineers (COE) 1987 Manual for Wetland Delineations and the Atlantic and Gulf Coastal Plain Regional Supplement 2010.

Based on the results of this delineation no wetlands were identified within the property boundary. Approximately 5,000 linear feet of drains are present on the investigated property. These drains will likely be considered Section 404 non-wetland waters by the COE.

#### 1.0 INTRODUCTION

Southland Environmental, LLC (Southland Environmental) was retained by One Acadiana to conduct a wetland delineation of property located south of Highway 190 in Port Barre, St. Landry Parish. The property is located in Section 4, Township 06 South, Range 05 East. The center of the tract is Latitude 30° 32' 39.73" Longitude 91° 57' 4.88". The purpose of the delineation was to evaluate the property for the potential presence of wetlands. A site location map is included as **Figure 1** and a site diagram is included as **Figure 2**. LIDAR imagery was also reviewed and is included as **Figure 3**. LIDAR is a remote sensing method that uses a near-infrared laser to map changes in elevation of the surface of the Earth.

Cleve Hoffpauir of Southland Environmental performed the field evaluation on November 27, 2018. Mr. Hoffpauir has a Bachelors of Science Degree in Environmental Science and has had specialized training in environmental investigations. Mr Hoffpauir has been performing wetland delineations for approximately ten years. Blaine Johnson managed the project. Mr. Johnson has over twenty years experience in environmental investigation and permitting, with over fifteen years experience in wetland permitting. Copies of the applicable Certificates of Training are included as **Attachment A**.

#### 2.0 METHODOLOGY

The wetland delineation performed by Southland Environmental was conducted in accordance with technical guidelines and methods for wetland delineations set forth by the COE in the 1987 Manual for Wetland Delineations and the Atlantic and Gulf Coastal Plains Regional Supplement 2010. These technical guidelines and methods utilize a multi-

parameter 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 hyrophytic 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.

Prior to the site visit, the St. Landry Parish Soil Survey prepared by the 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 St. Landry Parish, soils on the delineated property includes two soil types: Baldwin silty clay loam (Bd) and Dundee silt loam (De). Bd soils are listed as hydric in St. Landry Parish. In addition to the soils map, infrared aerial photography was reviewed. The soil map and infrared photograph is included as **Attachment B**.

The delineation was begun by traversing the property 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 on the investigated property. Four representative sample points were selected and detailed evaluations were conducted at these locations. The data collected at these sample points were recorded on Wetland Data Forms and the location of each sample plot was marked with a Trimble Global Positioning Unit (GPS). The Wetland Data Forms are included as **Attachment C**.

After a general evaluation of the tract and conducting data points, a Trimble GPS was utilized to map the wetland areas. Once GPS mapping was completed, geospatial data was imported into ArcView GIS for graphical display and land cover analysis.

#### 3.0 SITE DESCRIPTION

The delineated property is located adjacent to and south of Highway 190 in Port Barre, St. Landry Parish. The investigated property encompasses approximately 39.2 acres. Based on aerial photography review and the site investigation, the property has been in agriculture production for many years. As noted earlier in this report, the USDA-NRCS soil maps indicate that soils on the property consist of two soil types: Bd and De. Bd soils are listed as hydric in St. Landry Parish. The property is currently planted in soybeans. The dominant vegetation on the site includes soybean (*Glycine max*) and Annual Bluegrass (*Poa annua*). The property is well drained and did not demonstrate wetland characteristics. Drains were identified on the property and will likely be considered non-wetland waters by the COE.

Photographs of the sample locations were taken and are included as **Attachment D**.

#### 4.0 FINDINGS

The property was inspected with respect to the potential presence of wetlands. Four sample points were selected to characterize the site. At these sample points, the soils, hydrology, and vegetation were characterized and the information recorded on Wetland Data Forms. The findings of the delineation are described in the following sections.

#### 4.1 VEGETATION

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

FACULTATIVE UPLAND

Poa annua (Annual Bluegrass)
Mazus pumilus (Japanese mazus)

FACULTATIVE WETLAND

NO INDICATOR

*Glycine max* (Soybean)

None of the sample points had a dominance of hydrophytic vegetation.

#### 4.2 SOILS

The review of the Soil Survey indicated that the delineated tract is located on two soil types. Below is a brief description of the soils from the Soil Survey of St. Landry Parish.

- Baldwin silty clay loam (Bd): Bd soil is level and poorly drained, located in intermediate and low positions on natural levees of old distributary channels of the Mississippi River. Slopes are less than 1 percent. Bd soil is listed as hydric in St. Landry Parish.
- Dundee silt loam (De): De soil is level and somewhat poorly drained. It is located on the highest parts of natural levees of old distributary channels of the Mississippi River. Slopes are less than 1 percent. De soil is not listed as hydric in St. Landry Parish.

#### 4.3 HYDROLOGY

General observations and inspections of soil samples were performed to evaluate for wetland hydrology. Potential primary indicators include inundated areas, saturated soil in the upper 12 inches, free water in the soil, water marks, drainage patterns of wetlands, and sediment deposits. None of the sample points exhibited wetland hydrology indicators. One primary indicator or two secondary indicators must be present for an area to have wetland hydrology.

#### 5.0 CONCLUSIONS

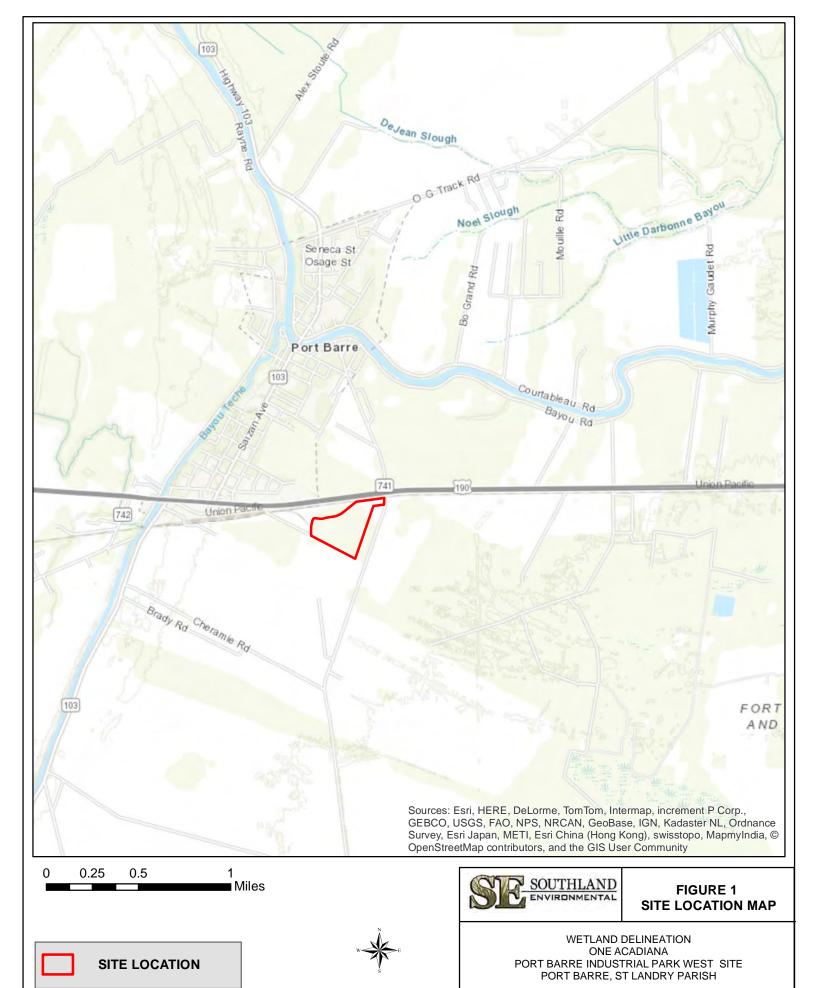
Approximately 39.2 acres of property located along Highway 190 in Port Barre was evaluated for the presence of jurisdictional wetlands. The wetland delineation was performed in accordance with the procedures and methods as described in the COE 1987 Manual for Wetland Delineations and the Atlantic and Gulf Coastal Plain Regional Supplement 2010.

The investigated property consist of an agriculture field currently planted in soybeans. The property did not demonstrate characteristics typical of a wetland. During the course of the wetland delineation no wetlands were observed on the site. Drains are located on the property and will likely be considered Sec. 404 non-wetland waters by the COE.

Based on the results of this delineation, approximately 39.2 acres of non-wetlands and 5,000 linear feet of non-wetland waters are present on the eastern tract of the investigated property.

# FIGURE 1

Site Location Map



 Drawn By:
 CRH
 Date:
 10/25/18
 Project #11724

 Checked By:
 CBJ
 Date:
 10/25/18
 Revised:
 01/07/19

# FIGURE 2

Site Diagram



NON-WETLAND WATERS (5,000 LF)

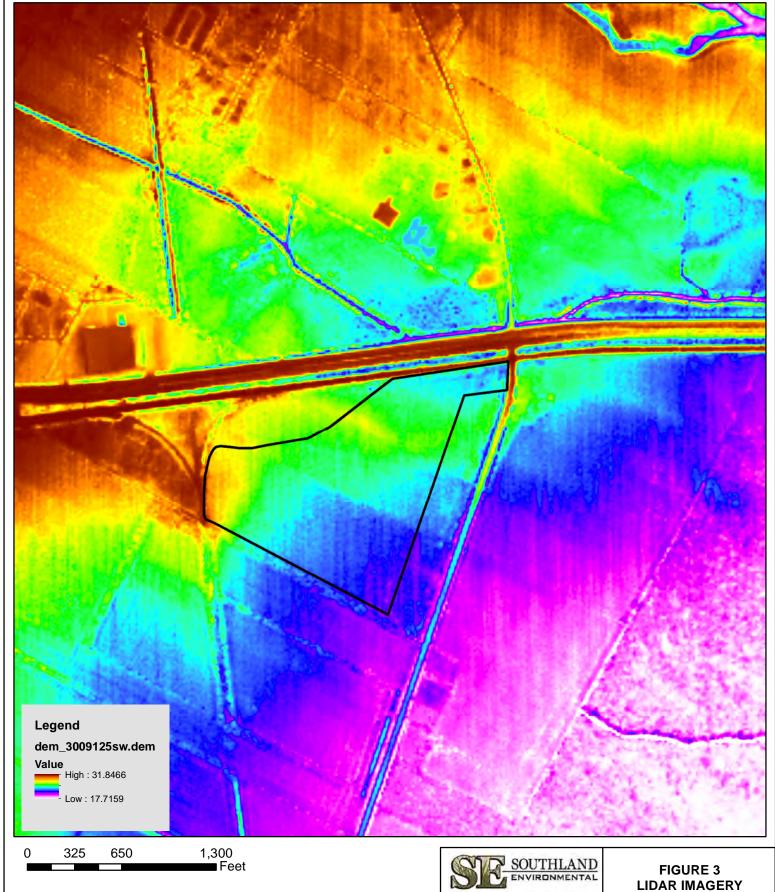
WETLAND DELINEATION ONE ACADIANA PORT BARRE INDUSTRIAL PARK WEST SITE PORT BARRE, ST LANDRY PARISH

 Drawn By:
 CRH
 Date:
 11/28/18
 Project #11724

 Checked By:
 CBJ
 Date:
 11/28/18
 Revised:
 01/07/19

# FIGURE 3

LIDAR Imagery









WETLAND DELINEATION ONE ACADIANA PORT BARRE INDUSTRIAL PARK WEST SITE PORT BARRE, ST LANDRY PARISH

Drawn By:	CRH	Date:	10/25/18	Project #11724
Checked By:	CBJ	Date:	10/25/18	Revised: 01/07/19

## ATTACHMENT A

Certificates of Training

# Richard Chinn Environmental Training, Inc.

certifies that

# Cleve Hoffpauir

has successfully completed a

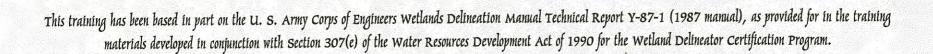
4 day 38 hour Army Corps of Engineers Wetland Delineation Training Program

issued Certificate No. 4666 and 3.8 CEUs on this first day of June, 2007, in Austin, Texas

Richard Chinn, PWS, CET,

Richard Chinn Environmental Training, Inc. 804 Cottage Hill Way, Brandon, FL 33511-8098

1.800.427.0307 • FAX: 1.888.457.6331 • info@richardchinn.com • http://www.richardchinn.com





# Certificate of Training Hydric Soil Updates

This certifies that

# Cleveland Hoffpauir

has participated in 2 hours of instruction.

Date: March 22, 2018



RALEIGH, NC 27603 1-877-479-2673

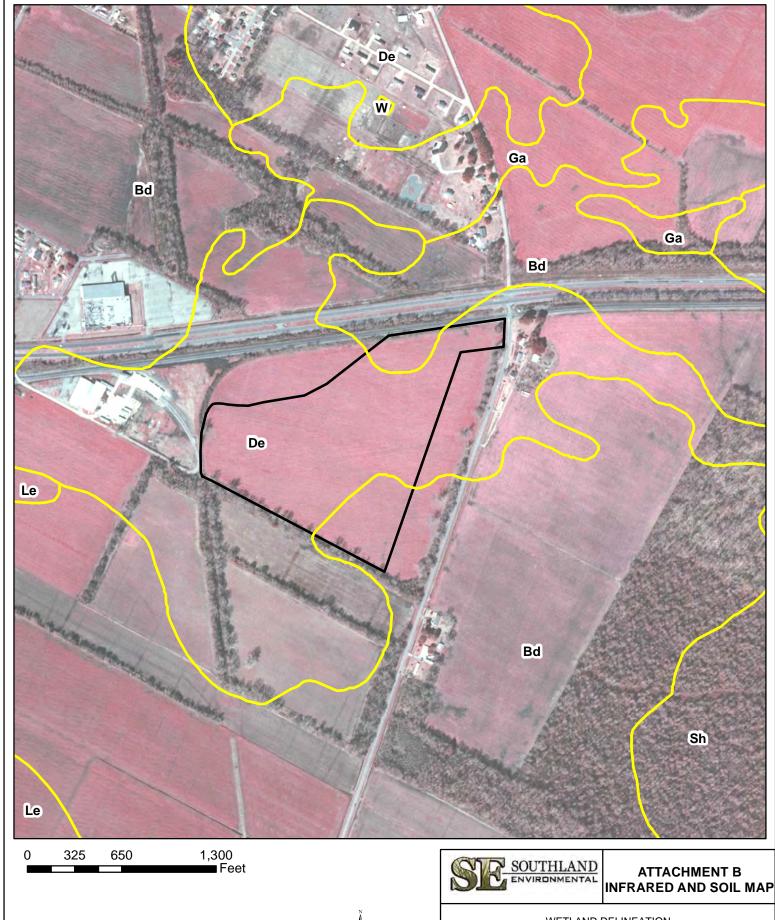


Marc Delinger

SIGNATURE OF AUTHORIZATION

## ATTACHMENT B

Infrared and Soil Maps





SITE LOCATION

**SOIL CLASSIFICATION BOUNDAY** 

WETLAND DELINEATION ONE ACADIANA PORT BARRE INDUSTRIAL PARK WEST SITE PORT BARRE, ST LANDRY PARISH

Drawn By: CRH	Date:	10/25/18	Project #11724
Checked By: CBJ	Date:	10/25/18	Revised: 01/07/19

## ATTACHMENT C

Wetland Data Forms

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Port Barre Industrial	Park	City/C	county: Port Barre/ S	St. Landry	Sampling Date: 11-27-18
Applicant/Owner: One Acadiana			,	State: LA	Sampling Date: 11-27-18 Sampling Point: 1
Investigator(s): C. Hoffpauir			on, Township, Range:		
Landform (hillslope, terrace, etc.):					Slope (%): <u>0-1</u>
Subregion (LRR or MLRA): LRR-O	,				
Soil Map Unit Name: Dundee silt le	oam (De)	_ Lat	Long.	NWI classifi	cotion: None
Are climatic / hydrologic conditions o		this time of year? V	zoo X No	/If no exploin in I	Pamarka \
Are Vegetation No , Soil No ,					
Are Vegetation No , Soil No ,					
SUMMARY OF FINDINGS –					
SUMMART OF FINDINGS -			ipinig point loca	lions, transect	s, important reatures, etc.
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Are	a	
Hydric Soil Present?	Yes	No X	within a Wetland?	Yes	No X
Wetland Hydrology Present?  Remarks:	Yes	No _^			
Area planted in Soy Bea	ans.				
HADBOLOCA					
HYDROLOGY Westland Hydrology Indicators:				Coondant India	ators (minimum of two required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one	o io roquirod: obook	all that apply)		_	
					Cracks (B6)
Surface Water (A1) High Water Table (A2)		atic Fauna (B13) Deposits (B15) <b>(LRF</b>	> 11/		egetated Concave Surface (B8) atterns (B10)
Saturation (A3)		ogen Sulfide Odor (0		Moss Trim L	
Water Marks (B1)		•	long Living Roots (C3)		Water Table (C2)
Sediment Deposits (B2)		ence of Reduced Iro		Crayfish Bu	
Drift Deposits (B3)		ent Iron Reduction in	· ,		/isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Muck Surface (C7)			Position (D2)
☐ Iron Deposits (B5)	Othe	r (Explain in Remark	ss)	Shallow Aqu	uitard (D3)
Inundation Visible on Aerial Im	agery (B7)			FAC-Neutra	al Test (D5)
☐ Water-Stained Leaves (B9)				Sphagnum	moss (D8) <b>(LRR T, U)</b>
Field Observations:	V				
	s No X				
	s No X				V
Saturation Present? Yes (includes capillary fringe)	s No_X	Depth (inches):	Wetland	d Hydrology Prese	nt? Yes No X
Describe Recorded Data (stream g	jauge, monitoring we	ell, aerial photos, pre	vious inspections), if a	available:	
Remarks:					
None Observed					

EGETATION (Four Strata) – Use scientific na		Dominant	Indicator	Dominance Test worksheet:	ling Point: 1	
ree Stratum (Plot size: ±30 )		Species?				
None				Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)
				, mat 7110 GB2, 171011, 611710.		. (7.)
				Total Number of Dominant	2	(D)
				Species Across All Strata:	2	(B)
				Percent of Dominant Species	0	
				That Are OBL, FACW, or FAC:	0	(A/
				Prevalence Index worksheet:		
				Total % Cover of:	Multiply by:	
				OBL species x		
		= Total Cov	er	FACW species x		
50% of total cover:	20% of	total cover		· ·		
pling/Shrub Stratum (Plot size: ±30 )				FAC species x		
None				FACU species x		
				UPL species x		
				Column Totals: (A	.)	(E
				December of Later D/A		
				Prevalence Index = B/A =		
				Hydrophytic Vegetation Indica		
				1 - Rapid Test for Hydrophy	_	
				2 - Dominance Test is >50%	)	
				3 - Prevalence Index is ≤3.0	1	
	<u></u>	= Total Cov		Problematic Hydrophytic Ve	getation <sup>1</sup> (Expla	ain)
50% of total cover:	20% of	total cover				
erb Stratum (Plot size: ±30 )				<sup>1</sup> Indicators of hydric soil and wet	land hydrology	must
Glycine max	40	Yes	NI	be present, unless disturbed or p	roblematic.	
Poa annua	40	Yes	FACU	Definitions of Four Vegetation	Strata:	
Panicum dichotomiflorum	5	No	FACW	Troe Woody plants evaluding	vinos 2 in (7.6	( am )
Mazus pumilus	5	No	FACU	<b>Tree</b> – Woody plants, excluding more in diameter at breast heigh		
Vicia ludoviciana	2	No	FACU	height.	,, 5	
Echinochloa crus-galli	2	No	FACW	Sapling/Shrub – Woody plants,	oveluding vinos	s loc
	_			than 3 in. DBH and greater than		
				<b>Herb</b> – All herbaceous (non-wood of size, and woody plants less the		ardles
				of size, and woody plants less th	an 3.20 it tail.	
)				Woody vine - All woody vines g	reater than 3.28	8 ft in
l				height.		
2.						
		= Total Cov				
50% of total cover: 47	20% of	total cover	18.8			
/oody Vine Stratum (Plot size: ±30 )						
None						
				Hydrophytic		
		= Total Cov		Vegetation Present? Yes	No X	
50% of total cover:	20% of	total cover	<u> </u>	100		
emarks: (If observed, list morphological adaptations be	low).					

Sampling Point: 1 SOIL Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12	10YR 4/2	100					Silt Loam	
			7. F\/D. F/0					
12-16	10YR 4/1	95	7.5YR 5/6	5	С	M	Silt Loam	
	-							
	-				_			
	-		•					
	-				_			
1					_			
			=Reduced Matrix, M			rains.		L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applic	cable to all	LRRs, unless othe	rwise no	ted.)		Indicators for	r Problematic Hydric Soils <sup>3</sup> :
☐ Histosol	(A1)		Polyvalue Be	elow Surfa	ace (S8) (	LRR S, T, U	U) $\square$ 1 cm Mud	ck (A9) (LRR O)
	ipedon (A2)		Thin Dark Su					ck (A10) (LRR S)
Black His			Loamy Muck					Vertic (F18) (outside MLRA 150A,B)
	n Sulfide (A4)		Loamy Gley					t Floodplain Soils (F19) (LRR P, S, T)
			=		(1 2)			us Bright Loamy Soils (F20)
	Layers (A5)		Depleted Ma		Εο\			
=	Bodies (A6) (LRR I		Redox Dark	,	,		(MLRA	,
=	cky Mineral (A7) <b>(L</b>		· = ·					ent Material (TF2)
Muck Pro	esence (A8) <b>(LRR I</b>	J)	Redox Depre	`	<del>-</del> 8)			allow Dark Surface (TF12)
1 cm Mu	ck (A9) (LRR P, T)		Marl (F10) (I				U Other (Ex	xplain in Remarks)
Depleted	Below Dark Surface	ce (A11)	Depleted Oc	hric (F11	(MLRA 1	151)		
☐ Thick Da	rk Surface (A12)		☐ Iron-Mangar	ese Mas	ses (F12)	(LRR O, P,	, T) <sup>3</sup> Indicate	ors of hydrophytic vegetation and
Coast Pr	airie Redox (A16) (	<b>MLRA 150</b>	A) 🔲 Umbric Surfa	ace (F13)	(LRR P.	T, U)	wetlan	nd hydrology must be present,
	lucky Mineral (S1)		Delta Ochric					s disturbed or problematic.
=	leyed Matrix (S4)	,	Reduced Ve					,
=	edox (S5)		Piedmont Flo					
								52D)
	Matrix (S6)		Anomaious i	ongni Loa	arriy Solis	(FZU) <b>(IVILI</b>	RA 149A, 153C, 1	530)
	face (S7) (LRR P,						1	
Restrictive L	.ayer (if observed)	):						
Type:								
Depth (inc	ches):						Hydric Soil Pr	resent? Yes No X
Remarks:							,	
F	ew Redox > 1	12"						
1 (	JW HOUGH >	12						

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Port Barre Indust	trial Park	City/C	ounty: Port Barre/ S	t. Landry	Sampling Date: 11-27-18
Applicant/Owner: One Acadian	na		,	State: LA	Sampling Date: 11-27-18  Sampling Point: 2
Investigator(s): C. Hoffpauir			on, Township, Range: _		
• ( )					Slope (%): 0-1
Subregion (LRR or MLRA): LRF	۲-O	Lat. 600675.04	Long:	3379619.37	Datum: UTM NAD 83
Soil Man Unit Name. Dundee s	silt loam (De)			NWI classific	Slope (%): 0-1  Datum: UTM NAD 83  Cation: None
Are climatic / hydrologic condition	ns on the site typical for	this time of year? V	es X No	(If no explain in F	Pemarks )
Are Vegetation No , Soil No					
Are Vegetation No , Soil No					
					s, important features, etc.
		x			<u> </u>
Hydrophytic Vegetation Presen Hydric Soil Present?		No X	Is the Sampled Area		V
Wetland Hydrology Present?		No X	within a Wetland?	Yes	No X
Remarks:					
Area planted in Soy E	3eans.				
HYDROLOGY					
Wetland Hydrology Indicators	s:			Secondary Indica	ators (minimum of two required)
Primary Indicators (minimum of	i one is required; check a	all that apply)		Surface Soil	Cracks (B6)
Surface Water (A1)	☐ Aqua	itic Fauna (B13)		Sparsely Ve	getated Concave Surface (B8)
High Water Table (A2)		Deposits (B15) (LRF		☐ Drainage Pa	
Saturation (A3)		ogen Sulfide Odor (C	•	Moss Trim L	` '
Water Marks (B1)			long Living Roots (C3)		Water Table (C2)
Sediment Deposits (B2)		ence of Reduced Iron	, ,	Crayfish Bur	` '
Drift Deposits (B3) Algal Mat or Crust (B4)		ent Iron Reduction in Muck Surface (C7)	Tilled Solls (C6)		isible on Aerial Imagery (C9) Position (D2)
Iron Deposits (B5)		r (Explain in Remark	·c)	Shallow Aqu	` '
Inundation Visible on Aeria		(Explain in Remain		FAC-Neutral	` '
Water-Stained Leaves (B9)	• • • •			=	moss (D8) <b>(LRR T, U)</b>
Field Observations:	<u>:</u>				
Surface Water Present?	Yes No X I	Depth (inches):			
	Yes No X I				
	Yes No X I	Depth (inches):	Wetland	Hydrology Preser	nt? Yes No X
(includes capillary fringe)  Describe Recorded Data (streat	ım gauge, monitoring we	ell, aerial photos, pre	vious inspections), if a	vailable:	
Remarks:					
None Observed					

VEGETATION (Four Strata)	– Use scientif	fic names of plants.	Sampling Point: 2
		Absolute Dominant Indicat	or Dominance Test worksheet:
Tree Stratum (Plot size: ±30	)	% Cover Species? Statu	S Novelous ( Descious ( Occasion

			Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: ±30 )  1. None		Species?	-	Number of Dominant Species That Are OBL, FACW, or FAC:  0	(A)
2				Total Number of Dominant Species Across All Strata: 2	(B)
<ul><li>4.</li><li>5.</li></ul>				Percent of Dominant Species That Are OBL, FACW, or FAC:	(A/B)
6					( - /
				Prevalence Index worksheet:	
7				Total % Cover of: Multiply by:	
8				OBL species x 1 =	
				FACW species x 2 =	
50% of total cover:	20% of	total cover	:		
Sapling/Shrub Stratum (Plot size: ±30 )				FAC species x 3 =	
1. None				FACU species x 4 =	_
				UPL species x 5 =	_
2				Column Totals: (A)	(B)
3					_ ( /
4				Prevalence Index = B/A =	
5				Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegetation	
7				_ , , , , ,	
				2 - Dominance Test is >50%	
8				3 - Prevalence Index is ≤3.0 <sup>1</sup>	
		= Total Co		Problematic Hydrophytic Vegetation <sup>1</sup> (Expla	in)
50% of total cover:	20% of	total cover	:		
Herb Stratum (Plot size: ±30 )				<sup>1</sup> Indicators of hydric soil and wetland hydrology i	must
1. Glycine max	40	Yes	NI	be present, unless disturbed or problematic.	naot
2. Poa annua	30	Yes	FACU	Definitions of Four Vegetation Strata:	
3. Panicum dichotomiflorum	5	No	FACW	Definitions of Four Vegetation offata.	
				Tree - Woody plants, excluding vines, 3 in. (7.6	cm) or
4. Echinochloa crus-galli	5	No	FACW	more in diameter at breast height (DBH), regard	less of
5. Trifolium repens	5	No	FACU	height.	
6. Mazus pumilus	2	No	FACU	Sapling/Shrub – Woody plants, excluding vines	less
7.				than 3 in. DBH and greater than 3.28 ft (1 m) tall	
8				Herb – All herbaceous (non-woody) plants, rega	ırdless
9				of size, and woody plants less than 3.28 ft tall.	
10		-		Woody vine – All woody vines greater than 3.28	3 ft in
11				height.	
12.					
	87	= Total Co	ver		
50% of total cover: 43.5					
<u></u>	20 /6 01	lotal covel			
Woody Vine Stratum (Plot size: ±30 )					
1. None					
2					
3					
4					
5				Hydrophytic	
		= Total Co		Vegetation Present? Yes No X	
50% of total cover:	20% of	total cover	r:	103	
Remarks: (If observed, list morphological adaptations belo	ow).				
Nomana. (ii observed, iist morphological adaptations beit	, vv ).				

SOIL Sampling Point: 2

Profile Desc	ription: (Describe	to the dep	th needed to docur	ment the	indicator	or confirm	n the absence of	indicators.)	
Depth	Matrix			x Feature		. 2			
(inches) 0-11	Color (moist)	100	Color (moist)	%	Type'	Loc <sup>2</sup>	Texture	Remarks	
	10YR 4/3	100		- <del></del>			Silt Loam		
11-16	10YR 5/2	95	7.5YR 5/6	5	С	M	Silty Clay		
					-				
1									
			=Reduced Matrix, MS LRRs, unless other			rains.		L=Pore Lining, M=Mat or Problematic Hydric	
Histosol		able to all	Polyvalue Be		•	IDDCTI		ck (A9) <b>(LRR O)</b>	Solis .
_	oipedon (A2)		Thin Dark Su		. , .			ck (A10) (LRR S)	
Black Hi			Loamy Muck					Vertic (F18) (outside	MLRA 150A,B)
	n Sulfide (A4)		Loamy Gleye			·		t Floodplain Soils (F19	
	d Layers (A5)		Depleted Ma					us Bright Loamy Soils	(F20)
= -	Bodies (A6) (LRR F		Redox Dark				(MLRA	,	
	icky Mineral (A7) <b>(L</b> esence (A8) <b>(LRR I</b>		Depleted Dai					ent Material (TF2) allow Dark Surface (TF	12\
	ick (A9) <b>(LRR P, T)</b>	))	Marl (F10) (L	•	0)			kplain in Remarks)	12)
	d Below Dark Surface	ce (A11)	Depleted Oct		(MLRA 1	151)		.p.a remaile,	
	ark Surface (A12)		Iron-Mangan				, <b>T)</b> <sup>3</sup> Indicate	ors of hydrophytic veg	etation and
	rairie Redox (A16) (		· <b>—</b>					nd hydrology must be p	
	lucky Mineral (S1) <b>(</b> Bleyed Matrix (S4)	LRR O, S)	Delta Ochric					s disturbed or problem	atic.
	dedox (S5)		Reduced Ver						
	Matrix (S6)						RA 149A, 153C, 1	53D)	
	rface (S7) (LRR P,	S, T, U)	_		•	. , .		•	
Restrictive I	_ayer (if observed)	:							
Type:									V
Depth (in	ches):						Hydric Soil Pr	resent? Yes	X
Remarks:	ew Redox > 1	11"							
'	ew nedox >								

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Port Barre Industria	al Park	City/C	ounty: Port Barre/ St	t. Landry	Sampling Date: 11-27-18
Applicant/Owner: One Acadiana	l		,	State: LA	Sampling Date: 11-27-18 Sampling Point: 3
Investigator(s): C. Hoffpauir			on, Township, Range: _		· · · · · · · · · · · · · · · · · · ·
Landform (hillslope, terrace, etc.):					Slope (%): <u>0-1</u>
Subregion (LRR or MLRA): LRR-	0	Lat. 600434.10	Long:	3379543.35	Datum: UTM NAD 83
Soil Map Unit Name: Dundee silt	loam (De)	_ Lat	Long.	NWI classifi	cation: None
Are climatic / hydrologic conditions		this time of vear? Y	es X No	(If no. explain in F	Remarks.)
Are Vegetation No , Soil No					
Are Vegetation No , Soil No					
SUMMARY OF FINDINGS					
		.,	g p	,	,,,
Hydrophytic Vegetation Present?		No X	Is the Sampled Area		v
Hydric Soil Present? Wetland Hydrology Present?		No X	within a Wetland?	Yes	No X
Remarks:	165	140			
Area planted in Soy Be					
HYDROLOGY					
Wetland Hydrology Indicators:					ators (minimum of two required)
Primary Indicators (minimum of o					Cracks (B6)
Surface Water (A1) High Water Table (A2)		itic Fauna (B13) Deposits (B15) <b>(LRF</b>	D 11\		egetated Concave Surface (B8)
Saturation (A3)		ogen Sulfide Odor (0		Moss Trim L	atterns (B10)
Water Marks (B1)		•	long Living Roots (C3)		Water Table (C2)
Sediment Deposits (B2)		ence of Reduced Iro		Crayfish Bu	
Drift Deposits (B3)	Rece	ent Iron Reduction in	Tilled Soils (C6)	Saturation V	/isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin	Muck Surface (C7)		Geomorphic	Position (D2)
Iron Deposits (B5)		r (Explain in Remark	s)	Shallow Aqu	, ,
Inundation Visible on Aerial I	magery (B7)			FAC-Neutra	` '
Water-Stained Leaves (B9)					moss (D8) (LRR T, U)
Field Observations:	es No X I	Donth (inches)			
	es No X I				
	es No X I			Hydrology Prese	nt? Yes No_X
(includes capillary fringe)					it: res
Describe Recorded Data (stream	gauge, monitoring we	ell, aerial photos, pre	vious inspections), if a	/ailable:	
Remarks:					
None Observed					

<b>VEGETATION</b> (	Four Strata	– Use	scientific	names o	of plants.

<b>/EGETATION (Four Strata)</b> – Use scientific na	ames of pl	ants.		Sampling Point: 3
.00		Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: ±30 )  1. None		Species?		Number of Dominant Species That Are OBL, FACW, or FAC:  0 (A)
2.				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: $0$ (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8		= Total Cov	/or	OBL species x 1 =
50% of total cover:				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: ±30 )	20 /0 01	total cover.		FAC species x 3 =
1. None				FACU species x 4 =
2.				UPL species x 5 =
3.				Column Totals: (A) (B)
4.				Dravalance Index D/A
5.				Prevalence Index = B/A =
6.				Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation
7.				
8.				2 - Dominance Test is >50%
		= Total Cov	/er	3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover:				Froblematic Hydrophytic Vegetation (Explain)
Herb Stratum (Plot size: ±30 )				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Glycine max	40	Yes	NI	be present, unless disturbed or problematic.
2. Poa annua	30	Yes	FACU	Definitions of Four Vegetation Strata:
3. Echinochloa crus-galli	10	No	FACW	Tree Meady plants evaluding vines 2 in (7.5 cm) or
4. Mazus pumilus	5	No	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5. Chloris canterae	5	No	NI	height.
6. Panicum dichotomiflorum	2	No	FACW	Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12				
		= Total Cov		
·	20% of	total cover:	18.4	
Woody Vine Stratum (Plot size: ±30 )  1. None				
1. <u>Notice</u> 2				
3				
4				
5				Undrankutia
o		= Total Cov	/er	Hydrophytic Vegetation
50% of total cover:				Present? Yes No X
Remarks: (If observed, list morphological adaptations believed)			·	
(	,			

SOIL Sampling Point: 3

Profile Desc	cription: (Describe	to the dept	n needed to docur	nent the	indicator	or confirm	n the absence of in	dicators.)	
Depth	Matrix			x Feature	es	. 2			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Remarks	8
0-10.5	10YR 4/3	100					Silt Loam		
10.5-16	10YR 4/2	95	7.5YR 5/6	5	С	M	Silty Clay		
				-	_				
									_
	-			-	_		<del></del>		
	oncentration, D=De					rains.		Pore Lining, M=Ma	
<u> </u>	Indicators: (Applie	cable to all L			•			roblematic Hydri	c Soils*:
Histosol	. ,		Polyvalue Be					A9) <b>(LRR O)</b>	
_	pipedon (A2)		Thin Dark Su					A10) <b>(LRR S)</b>	
	istic (A3)		Loamy Muck			R O)		rtic (F18) (outside	
	en Sulfide (A4)		Loamy Gleye		(F2)			oodplain Soils (F1	
	d Layers (A5)	. T	Depleted Ma		<b>F</b> 0\			Bright Loamy Soils	S (F20)
	Bodies (A6) (LRR I		Redox Dark				(MLRA 15	з <b>в)</b> Material (TF2)	
	ucky Mineral (A7) <b>(L</b> resence (A8) <b>(LRR I</b>		Depleted Da					wateriai (1F2) v Dark Surface (Ti	=10)
_ =	uck (A9) (LRR P, T)	•	Marl (F10) (L	,	0)		—	in in Remarks)	12)
	d Below Dark Surfa		Depleted Oct		(MIRA 1	151)	Other (Expla	iii iii Keiliaiks)	
	ark Surface (A12)	55 (7111)	Iron-Mangan				. T) <sup>3</sup> Indicators	of hydrophytic veg	netation and
_	rairie Redox (A16) (	MLRA 150A						ydrology must be	
	/lucky Mineral (S1)		Delta Ochric					sturbed or problen	
_	Bleyed Matrix (S4)	. ,	Reduced Ver					·	
Sandy F	Redox (S5)		Piedmont Flo	odplain S	Soils (F19	) (MLRA 14	49A)		
Stripped	Matrix (S6)		Anomalous E	Bright Loa	my Soils	(F20) <b>(MLF</b>	RA 149A, 153C, 153I	D)	
Dark Su	rface (S7) (LRR P,	S, T, U)							
Restrictive	Layer (if observed)	):							
Type:									
Depth (in	ches):		<u></u>				Hydric Soil Pres	ent? Yes	No X
Remarks:									
F	ew Redox > 1	10.5"							

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Port Barre Industrial F	'ark	City/C	ounty: Port Barre/ S	St. Landry	Sampling Date: 11-27-18		
Applicant/Owner: One Acadiana				State: LA	Sampling Date: 11-27-18 Sampling Point: 4		
Investigator(s): C. Hoffpauir			on, Township, Range:		- ' 0		
Dol Do	lativoly Flat			nono	Slope (%): 0-1		
Subregion (LRR or MLRA). LRR-O		Lat. 600615.29	Long	. 3379375.79	Datum: UTM NAD 83		
Landform (hillslope, terrace, etc.): Net Subregion (LRR or MLRA): LRR-O Soil Map Unit Name: Baldwin silty cl	lay loam (Bd)		20119	NWI classifi	cation. None		
Are climatic / hydrologic conditions on	the site typical for	this time of year? Y	es X No	(If no explain in I	Remarks )		
Are Vegetation No , Soil No , or							
Are Vegetation No , Soil No , or	r Hydrology No	significantly distant	oca: Ale Non		oro in Domorko		
SUMMARY OF FINDINGS – A	-						
			ipinig ponit iood		s, important reatures, etc.		
Hydrophytic Vegetation Present?	Yes	No ^	Is the Sampled Are				
Hydric Soil Present? Wetland Hydrology Present?	Yes	No X	within a Wetland?	Yes	No X		
Remarks:	Tes	NO <u>^</u>					
Area planted in Soy Bear							
HYDROLOGY							
Wetland Hydrology Indicators:				_	ators (minimum of two required)		
Primary Indicators (minimum of one is					l Cracks (B6)		
Surface Water (A1) High Water Table (A2)		itic Fauna (B13) Deposits (B15) <b>(LRF</b>	2 11/	☐ Sparsely Vegetated Concave Surface (B8)☐ Drainage Patterns (B10)			
Saturation (A3)		ogen Sulfide Odor (0		Moss Trim L			
Water Marks (B1)		•	long Living Roots (C3		Water Table (C2)		
Sediment Deposits (B2)		ence of Reduced Iro		Crayfish Bu			
Drift Deposits (B3)	<u></u> Rece	ent Iron Reduction in	Tilled Soils (C6)	Saturation \	/isible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)		Muck Surface (C7)		=	c Position (D2)		
Iron Deposits (B5)		r (Explain in Remark	s)	Shallow Aqu	, ,		
Inundation Visible on Aerial Image Water-Stained Leaves (B9)	jery (B7)			FAC-Neutra	moss (D8) <b>(LRR T, U)</b>		
Field Observations:				<u> </u>	11055 (Do) (LRK 1, U)		
	No X	Depth (inches):					
		Depth (inches):					
		Depth (inches):		d Hydrology Prese	nt? Yes No_X		
(includes capillary fringe)							
Describe Recorded Data (stream gau	age, monitoring we	ell, aerial photos, pre	vious inspections), if a	available:			
Remarks:							
None Observed							
110110 02001100							

<b>/EGETATION (Four Strata)</b> – Use scientific r	<u> </u>			Sampling Point: 4	
<u>Tree Stratum</u> (Plot size: ±30 )			nt Indicator S? Status	Dominance Test worksheet:  Number of Dominant Species	
1. None				That Are OBL, FACW, or FAC: 0 (	(A)
2		· -		Total Number of Dominant Species Across All Strata: 2 (	(B)
4 5	_			Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (	(A/B)
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply by:	-
8		= Total C		OBL species x 1 =	
50% of total cover:		•		FACW species x 2 =	
Sapling/Shrub Stratum (Plot size: ±30 )	2070 0	i total oov	OI	FAC species x 3 =	
1. None				FACU species x 4 =	
2.				UPL species x 5 =	
3				Column Totals: (A)	(B)
4				Prevalence Index = B/A =	
5				Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegetation	
7				2 - Dominance Test is >50%	
8				3 - Prevalence Index is ≤3.0 <sup>1</sup>	
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	)
50% of total cover:	20% o	f total cov	er:		
Herb Stratum (Plot size: ±30 )  1. Glycine max	40	Yes	NI	<sup>1</sup> Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic.	ust
2. Poa annua	30	Yes	FACU	Definitions of Four Vegetation Strata:	
3. Echinochloa crus-galli	10	No	FACW		
4. Panicum dichotomiflorum	10	No	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm	
· ·		-		more in diameter at breast height (DBH), regardles height.	55 UI
5					
6 7.		-	_	Sapling/Shrub – Woody plants, excluding vines, lethan 3 in. DBH and greater than 3.28 ft (1 m) tall.	ess

		_ = Total C	Cover				
50% of total cover:	20%	of total cov	ver:	FACW species _			
Sapling/Shrub Stratum (Plot size: ±30				FAC species _			
1. None				FACU species _			
2.				UPL species _		x 5 =	
3.				Column Totals: _		(A)	(B)
4.				Dravalanaa	Inday D/A		
5						<i>\ =</i>	
6				Hydrophytic Veg			
				1 - Rapid Tes			on
7				2 - Dominano			
8				3 - Prevalence			
500/ // /		_ = Total C		Problematic I	Hydrophytic	Vegetation <sup>1</sup> (E	Explain)
50% of total cover:	20%	of total cov	/er:				
Herb Stratum (Plot size: ±30 )	40	Voo	NII	<sup>1</sup> Indicators of hyd			
1. Glycine max	40	Yes	NI FACIL	be present, unles		•	
2. Poa annua	30	Yes	FACU	Definitions of Fo	ur Vegetati	on Strata:	
3. Echinochloa crus-galli	10	_ No	FACW	Tree – Woody pla	ants, excludi	ng vines, 3 in.	(7.6 cm) or
Panicum dichotomiflorum     S.	10	No	FACW	more in diameter height.	at breast he	ight (DBH), re	gardless of
6				0	<b>M</b> /	ta and Park	
				Sapling/Shrub – than 3 in. DBH an			
7					Ü	`	,
8				<b>Herb</b> – All herbact of size, and wood			
9				or size, and wood	y piants less	5 IIIaii 3.20 II I	all.
10				Woody vine – All	woody vine	s greater than	3.28 ft in
11				height.			
12							
45	90	_ = Total C					
50% of total cover: 45	20%	of total cov	er: 18				
Woody Vine Stratum (Plot size: ±30 )							
1. None							
2							
3							
4							
5				Hydrophytic			
		_ = Total C		Vegetation			
50% of total cover:	20%	of total cov	/er:	Present?	Yes	No X	
Remarks: (If observed, list morphological adaptations bel	ow).						
(	,-						

SOIL Sampling Point: 4

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ment the	indicator	or confirm	m the absence of ir	dicators.)	
Depth	Matrix			ox Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	Rema	ırks
0-8	10YR 4/3	100					Silt Loam		
8-16	10YR 3/2	98	7.5YR 5/6	2	С	М	Silty Clay		
				_		-			
					_		<del></del>		
							. <u> </u>		
<sup>1</sup> Type: C=C	oncentration D=De	nletion RM	=Reduced Matrix, M	- IS=Maske	ed Sand G	rains	<sup>2</sup> l ocation: Pl =	Pore Lining, M=	Matrix
			LRRs, unless other				Indicators for		
☐ Histosol			Polyvalue B		•	LRR S. T.		(A9) <b>(LRR O)</b>	
	pipedon (A2)		Thin Dark S					(A10) <b>(LRR S)</b>	
Black Hi			Loamy Muc						side MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley	ed Matrix	(F2)		Piedmont F	loodplain Soils	(F19) <b>(LRR P, S, T)</b>
_	d Layers (A5)		Depleted M					Bright Loamy S	oils (F20)
	Bodies (A6) (LRR I		Redox Dark		. ,		(MLRA 1		
	icky Mineral (A7) (L		_					Material (TF2)	(TE40)
	esence (A8) (LRR luck (A9) (LRR P, T)		Redox Depi	`	F8)			w Dark Surface ain in Remarks)	,
	d Below Dark Surfa		☐ Marl (F10) <b>(</b> ☐ Depleted O		) (MI RA 1	151)	U Other (Exp	am in Remarks)	
	ark Surface (A12)	00 (7111)	Iron-Manga				P. T) <sup>3</sup> Indicators	of hydrophytic	vegetation and
	rairie Redox (A16) (	MLRA 150						hydrology must	•
_	lucky Mineral (S1)		_					isturbed or prob	
	Gleyed Matrix (S4)		Reduced Ve						
	Redox (S5)		Piedmont F						
	Matrix (S6)		Anomalous	Bright Loa	amy Soils	(F20) <b>(MLF</b>	RA 149A, 153C, 153	D)	
	rface (S7) (LRR P,								
	Layer (if observed)	):							
Type:									Y
Depth (in	ches):						Hydric Soil Pres	sent? Yes	No X
Remarks:	ew Redox > 8	2"							
Г	ew nedox > 0	)							

## ATTACHMENT D

Site Photographs



Photograph 1 Sample Plot 1



Photograph 2 General View of Plot 1



Photograph 3 Sample Plot 2



Photograph 4
General View of Plot 2



Photograph 5 Sample Plot 3



Photograph 6 General View of Plot 3



Photograph 7 Sample Plot 4



Photograph 8 General View of Plot 4