



Exhibit EE. AC Commercial Site Wetlands Delineation Report











AC Commercial Site Wetlands Delineation Report

One Acadiana

AC Commercial Site

Lafayette Parish, LA

March 2021

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Prepared By:

1.0 INTRODUCTION

A routine wetland delineation was conducted by Blue Ox Enterprises, LLC (Blue Ox) on February 25th, 2021 at the approximately 46.6 acre AC Commercial Site, in Broussard, LA (Site). The purpose of the wetland delineation was to determine the presence/absence of wetlands at the Site. The Site is situated on a tract that was historically used for agricultural activities, primarily for sugar cane production. The site does contain a small portion approximately 5.6 acres in size that is currently in agriculture production according to Louisiana Department of Agriculture.

The Site is located in Section 34, T10S-E05E & Section 3, T11S-R05E. Geographically, the Site is located 1.5 miles south from Broussard, Louisiana in Lafayette Parish. The location of the Site is illustrated on the maps in **Appendix C**.

Based on the data collected, it is Blue Ox's professional opinion that two jurisdictional waters exist on northeast corner of the Site. The jurisdictional waters traverse across the corner of the site and are approximately 660 feet and 85 feet. The Site also contains a herbaceous wetland and a recently dredged man-made water feature on the southeastern portion of the site. These two features are in Blue Ox's professional opinion potentially non-jurisdictional.

2.0 METHODOLOGY

A review of the project site was conducted with the following tools to identify potential wetland indicators according to the 1987 Wetland Delineation Manual and Regional Supplement:

- USGS 7.5-minute topographic quadrangle maps,
- National Wetlands Inventory Maps
- Classification of Wetlands and Deepwater Habitats of the United States (Cowardin et al. 1979);
- The PLANTS Database (USDA / NRCS);
- U.S. Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS) Web Soil Survey
- USGS National Hydrography Dataset (NHD);
- Remote Sensing Aerial Photography including National Agricultural Imagery Program (NAIP) natural color and color infrared aerial photography;
- FEMA Floodplain Maps

Data sources were utilized as appropriate, findings were summarized, and a preliminary evaluation was conducted to determine potential existence of wetland indicators in the project area. After considering the preliminary data, a routine delineation method level was selected.

Per the 1987 Wetland Delineation Manual, the complexity of the project area and the quality and quantity of available information will be the influences governing the Routine Wetland Delineation Level. The three levels are as follows:

- <u>Level 1</u> An onsite inspection is unnecessary because existing information is sufficient for making a
 determination for the entire project area.
- <u>Level 2</u> An onsite inspection is necessary because insufficient information is available to characterize the vegetation, soils, and hydrology of the entire project area.
- <u>Level 3</u> An onsite inspection is necessary because sufficient information is available for a portion, but not all, of the project area.



This routine wetland delineation is a Level 2 Delineation. The delineators evaluated the three technical criteria: vegetation, hydrology, and soils in accordance with the 1987 U.S. Army Corps of Engineers (COE) Wetlands Delineation Manual, and the Gulf Coastal Plain Regional Supplement to the 1987 manual. All three criteria must be present in order to be a potentially jurisdictional wetland. The absence of any of these criteria could exclude an area from being a wetland under the jurisdiction of the Corps of Engineers. As per the 1987 U.S. Army Corps of Engineers (COE) Wetlands Delineation Manual, and the Gulf Coastal Plain Regional Supplement to the 1987 manual, the methodology for the delineation of the Site.

3.0 FINDINGS

A total of eight sample plots were taken on the Site. The sample plot locations were selected based on visual observations of changes in vegetation and/or topography. Recorded data forms are presented in **Appendix A**. Photographs are presented in **Appendix B**. The photographs illustrate typical conditions that were observed at the plots and various locations. Locations of the sample plots relative to the Site can be referenced in **Appendix C**.

3.1 Hydrology

3.1.1 General Site Characteristics

The Site exists on a relatively flat landform. Generally, slopes range from 0-2%. Surface saturation or inundation was observed on referenced infrared images. The site was historically used for agricultural actives and farmed primarily for sugar cane production. There were four observed and documented wetland/water features within the Site. The locations of these features in relation to the Site can be referenced in **Appendix C.**

3.1.2 Sample Plot Data

One sample plot did meet the criteria for the presence of wetland hydrology. Sample Plot 7 met primary indicators of high water table, saturation and secondary indicator of crayfish burrows. The wetland hydrology indicators, remarks, and determinations can be reviewed in detail on the data sheets located in **Appendix A**.

3.2 Vegetation

3.2.1 General Site Characteristics

The site consisted of primarily of sugar cane production. Approximately 20 acres of site is fallow with scrub-shrub vegetation species and contains furrows from agricultural activities. The site does contain a small portion approximately 5.6 acres in size that is currently in agriculture production according to Louisiana Department of Agriculture. There is a small forested corridor that borders the observed other water that traverses the northeastern portion of the site. The southwestern and northeastern portions of the site have been plowed and leveled, and was comprised of herbaceous vegetation.

3.2.2 Sample Plot Data

Sample plots 2-5 & 7 met the criteria for presence of wetland vegetation. The vegetation for all Sample Plots is noted in **Appendix A**. Dominance/Prevalence calculations, vegetation, criteria determination can be referenced in the corresponding data sheets. Photos can be found in **Appendix B**.

3.3 Soils

3.3.1 General Site Characteristics

According to the Lafayette Parish Soil Survey, the Site contains the following NRCS mapped soil types (Appendix C):

Map Symbol	Soil Name	Hydric Rating
MbC	Memphis silt loam, 1 to 5 percent slopes	0% hydric
CtB	Coteau-Frost complex, gently undulating	35% hydric
FoA	Frost silt loam, 0 to 1 percent slopes,90%	90% hydric

The site is located within the above listed NRCS-mapped soil units and the Site is comprised predominately of non-hydric soils according to the hydric ratings.

3.3.2 Sample Plot Data

The Sample plots 2-8 met the criteria for the presence of hydric soil for a wetland. Depleted Matrix and Redox Dark Surface were the hydric soil indicators that were met. Soil characteristics associated with each plot can be found in the corresponding data sheets located in **Appendix A**.

4.0 SUMMARY AND CONCLUSIONS

4.1 Data Summary

Only sample plot 7 met all three technical criteria of a wetland. The following table illustrates the results of the sample plot data:

Data Plot	Hydrology	Vegetation	Soils
Plot 1	N	N	N
Plot 2	N	Υ	Υ
Plot 3	N	Υ	Υ
Plot 4	N	Υ	Υ
Plot 5	N	Υ	Υ
Plot 6	N	N	Υ
Plot 7	Υ	Υ	Υ
Plot 8	N	N	Υ



Prepared By:

4.2 Conclusion

Based on the data collected, it is Blue Ox's professional opinion that two jurisdictional waters exist on northeast corner of the Site. The jurisdictional waters traverse across the corner of the site and are approximately 660 feet and 85 feet. The Site also contains a herbaceous wetland and a recently dredged man-made water feature on the southeastern portion of the site. These two features are in Blue Ox's professional opinion potentially non-jurisdictional. The Site is illustrated in the maps of **Appendix C** and represented by the wetland determination forms of **Appendix A**.

The limits of the Site were not staked at the time of the delineation. It is recommended that any mechanized land clearing, or redistribution of earthen material outside the limits of the area depicted in this report, the Site may require additional data collection and determinations. Mechanized land clearing, tracking, soil disturbance or other temporary or permanent fill within wetlands or other waters would require a USACE permit.

A jurisdictional wetland determination can only be made by the U.S. Corps of Engineers (USACE). Consultants such as Blue Ox can perform wetland delineations, and submit data collected in the prescribed manner to the USACE along with recommendations; however, it is the USACE that makes the final determination. The New Orleans District of the USACE has jurisdiction in the area of this site.

5.0 REFERENCES

Corps of Engineers Wetlands Delineation Manual. 1987. Technical Report Y-87-1.

National List of Vascular Plants Species that Occur in Wetlands. Prepared by Ecology Section, National Wetlands Inventory, U.S. Fish and Wildlife Service.

U.S. Department of Agriculture, Natural Resources Conservation Service. 1998. Field Indicators of Hydric Soils in the United States, version 6.0. G.W. Hurt, Whited, P.M., and Pringle, R.F. (eds.). USDA, NRCS, Fort Worth, TX.

Soil Mapping Units and Hydric Soils Designations Louisiana. May 1995. Third Edition

U.S. Army Corps of Engineers. October 2008. Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region. Final Report



6.0 **DEFINITIONS**

Term	Definition						
Aerobic	A situation in which molecular oxygen is a part of the environment.						
Anaerobic	A situation in which molecular oxygen is absent (or effectively so) from the environment						
Atypical situation	As used herein, this term refers to areas in which one or more parameters (vegetation, soil, and/or hydrology) have been sufficiently altered by recent human activities or natural events to preclude the presence of wetland indicators of the parameter.						
Dominance Test	This evaluation test ranks plant species that immediately exceed 50% of the total dominance measure for a vegetation stratum, plus any additional species comprising 20% or more of the total dominance measure for that stratum. As part of the vegetation criteria, species dominance is evaluated using the "50/20 rule."						
Growing season	The portion of the year when soil temperatures at 19.7 in. below the soil surface are higher than biologic zero (5 (C) (U.S. Department of Agriculture & Soil Conservation Service 1985). For ease of determination this period can be approximated by the number of frost-free days (U.S Department of the Interior 1970).						
Hydric Soils	Hydric soils are defined as soils that are formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, July 13, 1994). Almost all hydric soils exhibit characteristic morphologies that are a result of repeated periods of saturation and/or inundation for more than a few days at a time. Saturation and inundation causes a depletion of oxygen in the soil when combined with anaerobic microbial activity in the soil. This anaerobiosis process results in characteristic morphologies such as the reduction, translocation, and/or the accumulation of iron. This process forms features in the soil that are called redoximorphic features that are particularly useful for identifying hydric soils.						
	The soil investigation criterion requires the use of a soil probe or a pit excavated to a 16-inch depth in order to investigate for hydric indicators. These indicators typically include, but are not limited to: • gleyed or low-chroma colors (redoximorphic features) • mottles (redoximorphic features) • listed on the local hydric soils list • listed on the national hydric soils list • concretions (redoximorphic features).						
Hydrophytic Species	Hydrophytic species, due to morphological, physiological, and/or reproductive adaptation(s), have the ability to grow, effectively compete, reproduce, and/or persist in anaerobic soil conditions.						



Term	Definition								
Hydrophytic Vegetation	In order for the vegetation to be considered hydrophytic (wet), the prevalent vegetation must consist of <i>macrophytes</i> that are typically adapted to areas having hydrologic and soil conditions unique to wetlands (e.g. must be <i>hyrdophytic species</i>). Prevalent vegetation is characterized by the dominant species comprising the plant community or communities. Dominant plant species are those that contribute more to the character of a plant community than other species present, as estimated or measured in terms of some ecological parameter or parameters. The two most commonly used estimates of dominance are basal area (trees) and percent areal cover (herbs). During a routine wetland delineation, the rapid test, <i>dominance test</i> , and <i>prevalence index</i> are predominantly used to determine if hydrophtic vegetation is present at a sample plot.								
Macrophytes	Macrophytes are any plant i	material tha	at can be seen without the aid of magnification.						
Plant Indicator Status Categories		he Nationa difiers. Indicator	efined by the USFWS National Wetlands Inventory and I Plant List Panel. The three facultative categories are Definition						
	Obligate Wetland Plants	(OBL)	Plants that occur almost always (estimated probability >99%) in wetlands under natural conditions, but which may also occur rarely (estimated probability <1%) in non-wetlands.						
	Facultative Wetland Plants	(FACW)	Plants that occur usually (estimated probability >67% to 99%) in wetlands, but also occur (estimated probability 1% to 33%) in non-wetlands.						
	Facultative Plants	(FAC)	Plants with a similar likelihood (estimated probability 33% to 67%) of occurring in both wetlands and nonwetlands.						
	Facultative Upland Plants	(FACU)	Plants that occur sometimes (estimated probability 1% to <33%) in wetlands, but occur more often (estimated probability >67% to 99%) in non-wetlands.						
	Obligate Upland Plants	(UPL)	Plants that occur rarely (estimated probability <1%) in wetlands, but occur almost always (estimate probability >99%) in non-wetlands under natural conditions.						
Prevalence Index	The prevalence index is a wetland indicator which takes into account all plant species and calculates a weighted average by assigning each indicator status category a numeric code (OBL = 1, FACW = 2, FAC = 3, FACU = 4, and UPL = 5). Plant species are also weighted by their abundance. It is a more comprehensive analysis of the hydrophytic status of a community that one based on a few dominant species. \The prevalence index ranges from 1 to 5, and a prevalence index of 3.0 or less indicates that hydrophytic vegetation is present. If, using the dominance test, the recorded plant species does not exceed 50% of the total dominance, the prevalence index shall be used to determine if hydrophytic vegetation is present.								
Rapid Test for hydrophytic vegetation	The Rapid Test is intended as a quick confirmation in obvious cases that a site has hydrophytic vegetation without the need for intensive sampling. When, based on visual assessment, all dominant species across all strata are rated OBL, FACW, or a combination of these two categories, the rapid test confirms hydrophytic vegetation is present at the site.								



Term	Definition					
Routine wetland determination	A type of wetland determination in which office data and/or relatively simple, rapidly applied onsite methods are employed to determine whether or not an area is a wetland. Most wetland determinations are of this type, which usually does not require collection of quantitative data.					
Sample plot	An area of land used for measuring or observing existing conditions					
Transect	As used herein, a line on the ground along which observations are made at some interval					
Typically Adapted	The term "typically adapted" refers to a species being normally or commonly suited to a given set of environmental conditions, due to some morphological, physiological, or reproductive adaptation. Species that have a wetland indicator status of OBL, FACW, or FAC are considered to be typically adapted for life in anaerobic soil conditions.					
Under normal circumstances	As used in the definition of wetlands, this term refers to situations in which the vegetation has not been substantially altered by man's activities.					
Upland	As used herein, any area that does not qualify as a wetland because the associated hydrologic regime is not sufficiently wet to elicit development of vegetation, soils, and/or hydrologic characteristics associated with wetlands. Such areas occurring within floodplains are more appropriately termed non-wetlands.					
Wetlands	The Corps of Engineers and the EPA jointly define wetlands as those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Wetlands have the following general diagnostic environmental characteristics:					
	(1) Hydrophytic Vegetation(2) Hydric Soils(3) Wetland Hydrology					
	Except in unique situations defined in the 1987 Wetland Delineation Manual and appropriate Regional Supplement, evidence of a minimum of one positive wetland indicator from each parameter (hydrology, soil, and vegetation) must be found in order to make a positive wetland determination.					
Wetland boundary	The point on the ground at which a shift from wetlands to non-wetlands or aquatic habitats occurs. These boundaries usually follow contours.					
Wetland determination	The process or procedure by which an area is adjudged a wetland or non-wetland by the US Army Corps of Engineers.					



Term	Definition	Definition								
Wetland Hydrology	As defined by the 1987 COE Manual, the term "wetland hydrology" encompasses all hydrologic characteristics of areas that are periodically inundated (at mean water depths less than or equal to 6.6 feet) or have soils saturated to the surface at some time during the growing season of prevalent vegetation. Evident characteristics of wetland hydrology are generally found in areas where the presence of water has an overriding influence on characteristics of vegetation and soils due to anaerobic and reducing conditions.									
	Wetland hydrology indicators provide evidence that the Site currently has a vector hydrologic regime. They may not provide an abundance of information about low wetness conditions on a given site; however, when coupled with the presence of hydrology vegetation and hydric soils, hydrology indicators provide evidence of long-term as short-term wetland conditions. In order to meet the hydrology criteria of a wet sample location must meet one primary indicator or two secondary indicators.									
	Primary Indicators include:	Secondary Indicators include:								
	Surface Water (A1)	Surface Soil Cracks (B6)								
	High Water Table (A2)	Sparsely Vegetated Concave Surface								
	Saturation (A3)	(B8)								
	Water Marks (B1)	Drainage Patterns (B10)								
	Sediment Deposits (B2)	Moss Trim Lines (B16)								
	Drift Deposits (B3)	Dry-Season Water Table (C2)								
	Algal Mat or Crust (B4)	Crayfish Burrows (C8)								
	Iron Deposits (B5)	Saturation Visible on Aerial Imagery								
	Inundation visible on Aerial Imagery (B7)	(C9)								
	Water-Stained Leaves (B9)	Geomorphic Position (D2)								
	Aquatic Fauna (B13)	Shallow Aquitard (D3)								
	Marl Deposits (B15) (LRR U)	FAC-Neutral Test (D5)								
	Hydrogen Sulfide Odor (C1)									
	Oxidized Rhizospheres on Living Roots (C3)									
	Presence of Reduced Iron (C4)									
	Recent Iron Reduction in Tilled Soils (C6)									
	Thin Muck Surface (C7)									
	Other (Explain in Remarks)									

One Acadiana March 2021



APPENDIX A - DATA SHEETS

Routine Wetland Delineation Appendices

Project/Site: AC Commercial Site City	y/County: Broussard Sampling Date: 25-Feb-21		
Applicant/Owner: One Acadiana	State: LA Sampling Point: 1		
Investigator(s): Ryne Menard Se	ection, Township, Range: S 34 T 10S R 05E		
Landform (hillslope, terrace, etc.): Flat Loc	cal relief (concave, convex, none): _concave Slope: 1.0 % / 0.6 °		
Subregion (LRR or MLRA): LRR O Lat.: 91°	57' 7.148" W Long.: 30° 7' 32.599" N Datum: NAD83		
Soil Map Unit Name: CtB:Coteau-Frost complex, gently undulating, 35% H			
Are climatic/hydrologic conditions on the site typical for this time of year?			
	y (a) N (
	·		
3 - 7 - 33 - 31	Cowner: One Acadiana		
Hydrophytic Vegetation Present? Yes ○ No ●			
2 , 2 , 3	•		
,	within a Wetland? Yes V NO V		
Remarks:			
HYDROLOGY			
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)		
Primary Indicators (minimum of one required; check all that apply)			
High Water Table (A2) Marl Deposits (B15) (L			
	<u> </u>		
☐ Water Marks (B1) ☐ Oxidized Rhizospheres	s along Living Roots (C3) Dry Season Water Table (C2)		
☐ Sediment Deposits (B2) ☐ Presence of Reduced I	drology Indicators: dicators (minimum of one required; check all that apply) Water (A1) Identify Table (A2) Marl Deposits (B15) (LRR U) Moss Trim Lines (B16) Marks (B1) Oxidized Rhizospheres along Living Roots (C3) If Deposits (B2) Presence of Reduced Iron (C4) Lostis (B3) Recent Iron Reduction in Tilled Soils (C6) At or Crust (B4) Thin Muck Surface (C7) Other (Explain in Remarks) Secondary Indicators (minimum of 2 required) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Satured Leaves (B9)		
☐ Drift Deposits (B3) ☐ Recent Iron Reduction	in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)		
☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7	7) Geomorphic Position (D2)		
☐ Iron Deposits (B5) ☐ Other (Explain in Remains)	arks) 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:			
Water Table Present? Yes O No O Depth (inches):			
Saturation Present? (includes capillary frings) Yes No Depth (inches):	Wetland Hydrology Present? Yes No ■		
(includes capillally fillinge)	nrevious inspections) if available		
Describe Necorded Data (Stream gauge, montesting montesting acres processes	nevious inspections, in available.		
Remarks:			

			ominant pecies?	Sampling Point: 1
	Absolute		•	tor Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover		Cover Statu	Number of Dominant Species
1	0_		0.0%	That are OBL, FACW, or FAC: (A)
2	0		0.0%	
3	0		0.0%	Total Number of Dominant Species Across All Strata: 2 (B)
4	_		0.0%	
5	0		0.0%	Percent of dominant Species That Are ORL FACW or FAC: 0.0% (A/B)
6	0		0.0%	That Are OBL, FACW, or FAC: 0.0% (A/B)
7	0_		0.0%	Prevalence Index worksheet:
3	0		0.0%	Total % Cover of: Multiply by:
50% of Total Cover: 0 20% of Total Cover: 0	0 =	= To	otal Cover	0BL speci es 0 x 1 = 0
Sapling or Sapling/Shrub Stratum (Plot size:	-			FACW species x 2 =
1			0.0%	FAC species x 3 =
2.		\Box	0.0%	FACU species 85 x 4 = 340
3.		\Box	0.0%	UPL species
4		\Box	0.0%	1 '
5		\Box	0.0%	Column Totals:102(A)391(B)
5 6			0.0%	Prevalence Index = B/A = 3.833
7			0.0%	Hydrophytic Vegetation Indicators:
3.			0.0%	
50% of Total Cover: 0 20% of Total Cover: 0			otal Cover	I - Rapid Test for Hydrophytic Vegetation
	=	- 10	otal Cover	☐ 2 - Dominance Test is > 50%
Shrub Stratum (Plot size:)				☐ 3 - Prevalence Index is ≤3.0 ¹
1		\sqsubseteq	0.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
2		\sqsubseteq	0.0%	
3		\sqsubseteq	0.0%	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4		\square	0.0%	_
5		\sqsubseteq	0.0%	Definition of Vegetation Strata:
6	0	Ш	0.0%	Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
50% of Total Cover:0 20% of Total Cover:0	0 =	= To	otal Cover	(7.6 cm) or larger in diameter at breast height (DBH).
Herb Stratum (Plot size: 30')				
1. Andropogon gyrans	40	~	39.2% FACU	Sapling - Woody plants, excluding woody vines,
2. Solidago altissima	30	V	29.4% FACU	 approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
3. Eupatorium capillifolium	 15		14.7% FACU	
4. Rubus argutus	10		9.8% FAC	Sapling/Shrub - Woody plants, excluding vines, less
5. Lygodium japonicum	 5		4.9% FAC	than 3 in. DBH and greater than 3.28 ft (1m) tall.
6. Ilex vomitoria			2.0% FAC	Shrub - Woody plants, excluding woody vines,
7			0.0%	approximately 3 to 20 ft (1 to 6 m) in height.
8			0.0%	
9			0.0%	Herb - All herbaceous (non-woody) plants, including
10			0.0%	herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately
11	0		0.0%	3 ft (1 m) in height.
12.	0		0.0%	
50% of Total Cover: 51 20% of Total Cover: 20.4	102 =	= Tc	otal Cover	Woody vine - All woody vines, regardless of height.
Woody Vine Stratum (Plot size:)				
	0		0.0%	
				-
1			0.0%	-
2		\Box		_
2	-		U U0/-	
2	0		0.0%	Hydrophytic
2			0.0% 0.0% otal Cover	Hydrophytic Vegetation Present? Yes No •

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth Matrix			Re	dox Featu	ires		_			
	Color (mo	oist)	%	Color (moist)	%	_Tvpe 1	Loc2	Texture	Remarks
0-16	10YR	4/3	100						Silt Loam	
16-20	10YR	4/3	95	10YR	6/8	5	С	M	Silt Loam	
			-							
			-					-		
¹ Type: C=Concentra	ation. D=D	epletion.	RM=Red	uced Matrix,	CS=Covere	ed or Coate	ed Sand Gr	ains ² Loca	ation: PL=Pore Lining. M=N	<i>∆</i> atrix
Hydric Soil Indic	ators:								Indicators for Probl	lematic Hydric Soils ³ :
Histosol (A1)				Pol	vvalue Bel	ow Surface	(S8) (LRR	S. T. U)	1 cm Muck (A9) (•
☐ Histic Epipedor	n (A2)				-	face (S9) (2 cm Muck (A10)	
Black Histic (A:						Mineral (F				
Hydrogen Sulfi	•					d Matrix (F2				F18) (outside MLRA 150A,B)
Stratified Layer					pleted Mat		-)			ain Soils (F19) (LRR P, S, T)
Organic Bodies) P T II)				Surface (F6)			_	t Loamy Soils (F20) (MLRA 153B)
5 cm Mucky Mi				_		` '			Red Parent Mater	
		•	1, 0)			k Surface (F/)		Very Shallow Darl	k Surface (TF12)
Muck Presence						ssions (F8)			Other (Explain in	Remarks)
1 cm Muck (A9					rl (F10) (Ll					
Depleted Below			1)			ric (F11) (N				
Thick Dark Sur				☐ Iro	n-Mangane	ese Masses	(F12) (LR	R O, P, T)		
Coast Prairie R				Um	bric Surfac	ce (F13) (L	rr P, T, U)		
Sandy Muck Mi	ineral (S1)	(LRR O,	S)	Del	ta Ochric ((F17) (MLR	A 151)		3,	
Sandy Gleyed I	Matrix (S4)	1		Red	duced Vert	ic (F18) (M	ILRA 150A,	150B)		of hydrophytic vegetation and hydrology must be present,
Sandy Redox ((S5)			☐ Pie	dmont Floo	odplain Soil	s (F19) (M	LRA 149A)		disturbed or problematic.
Stripped Matrix	x (S6)			☐ And	omalous Br	right Loamy	y Soils (F20) (MLRA 14	9A, 153C, 153D)	
☐ Dark Surface (S7) (LRR P	, S, T, U))							
Restrictive Layer	(if observ	/ed):								
Type:						_			Hydric Soil Present?	Yes O No •
Depth (inches):									riyunc 3011 Fresent:	Tes UND S
Remarks:										

Project/Site: AC Commercial Site City/	County: Broussard Sampling Date: 25-Feb-21
Applicant/Owner: One Acadiana	State: LA Sampling Point: 2
Investigator(s): Ryne Menard Sec	tion, Township, Range: S 34 T 10S R 05E
Landform (hillslope, terrace, etc.): Undulating Local	relief (concave, convex, none): CONVEX Slope: 1.0 % / 0.6°
Subregion (LRR or MLRA): LRR O Lat.: 91° 5	57' 11.378" W Long. : 30° 7' 32.663" N Datum : NAD83
Soil Map Unit Name: CtB:Coteau-Frost complex, gently undulating, 35% Hyc	dric NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly dist	· · · · · · · · · · · · · · · · · · ·
Are Vegetation, Soil, or Hydrology naturally problem	•
SUMMARY OF FINDINGS - Attach site map showing sampling	
Hydrophytic Vegetation Present? Yes No	T
Hydric Soil Present? Yes No ○	Is the Sampled Area Within a Westerner Yes No No No No No No No No
Wetland Hydrology Present? Yes ○ No ●	within a Wetland?
Remarks:	<u>, L</u>
Area still has furroughs from agriculture activities.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LRF	R U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhizospheres al	long Living Roots (C3) Dry Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduced Iro	on (C4) Crayfish Burrows (C8)
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Other (Explain in Remark	
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):	
Cartass trates trooping	
Water Table Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes ○ No ●
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	wettand hydrology Present? Tes C No C
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	

			ominant pecies?		Sampling Point: 2
(District)	Absolute	R	el.Strat. In	dicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	_		tatus	Number of Dominant Species
			0.0%		That are OBL, FACW, or FAC: (A)
). 			0.0%		Total Number of Dominant
·			0.0%		Species Across All Strata: 2 (B)
• ,			0.0%		Percent of dominant Species
		П	0.0%		That Are OBL, FACW, or FAC:100.0% (A/B)
			0.0%		Prevalence Index worksheet:
	0	$\overline{\Box}$	0.0%		Total % Cover of: Multiply by:
50% of Total Cover: 0 20% of Total Cover: 0	0 =	— = Тс	otal Cover		0BL species 0 x 1 = 0
Sapling or Sapling/Shrub Stratum (Plot size:					FACW species x 2 =0
	_ ′		0.0%		FAC species 110 x 3 = 330
			0.0%		FACU species 2 x 4 = 8
,			0.0%		UPL species
			0.0%	- 1	Column Totals: (A) (B)
			0.0%		
			0.0%		Prevalence Index = B/A = 3.018
			0.0%		Hydrophytic Vegetation Indicators:
	0		0.0%		1 - Rapid Test for Hydrophytic Vegetation
50% of Total Cover: 0 20% of Total Cover: 0	0 =	= To	otal Cover		✓ 2 - Dominance Test is > 50%
Shrub Stratum (Plot size: 30')					3 - Prevalence Index is ≤3.0 ¹
Baccharis halimifolia	25	~	100.0% FA	ıc Ι	Problematic Hydrophytic Vegetation ¹ (Explain)
			0.0%		
			0.0%		¹ Indicators of hydric soil and wetland hydrology must
			0.0%		be present, unless disturbed or problematic.
	_		0.0%		Definition of Vegetation Strata:
	0		0.0%		Tree - Woody plants, excluding woody vines,
50% of Total Cover:5	=	= To	otal Cover		approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
Herb Stratum (Plot size: 30')		_			Sapling - Woody plants, excluding woody vines,
1 . Rubus argutus	80	V	92.0% FA	AC	approximately 20 ft (6 m) or more in height and less
2. Lygodium Japonicum			5.7% F		than 3 in. (7.6 cm) DBH.
3. Lonicera japonica	2_			ACU	Conline/Chruh Woody plants avaluating vines less
4			0.0%		Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1m) tall.
5			0.0%		, ,
6			0.0%		Shrub - Woody plants, excluding woody vines,
7 8			0.0%		approximately 3 to 20 ft (1 to 6 m) in height.
8 a			0.0%		Herb - All herbaceous (non-woody) plants, including
9 n			0.0%		herbaceous vines, regardless of size, and woody
0 1			0.0%		plants, except woody vines, less than approximately 3 ft (1 m) in height.
1 2.			0.0%		- · · · · · · · · · · · · · · · · · · ·
50% of Total Cover: 43.5 20% of Total Cover: 17.4		 = To	otal Cover		Woody vine - All woody vines, regardless of height.
Woody Vine Stratum (Plot size:)				ļ	
	0		0.0%		
•			0.0%		
•	0_		0.0%		
	0_		0.0%		11.1.1.19
	0_		0.0%		Hydrophytic Vegetation
50% of Total Cover:0 20% of Total Cover:0	=	= To	otal Cover		Present? Yes No O
Remarks: (If observed, list morphological adaptations below). *Indicator suffix = National status or professional decision assigned because R					

Profile Descrip	otion: (Describe to t	he depth nee	ded to document	the indica	itor or co	onfirm the a	absence of indicators.)	
Depth -	Matrix		Red	lox Featu	es			
(inches)	Color (moist)	%	Color (moist)	%	Type 1	Loc2	Texture	Remarks
0-20	10YR 2/2	95	10YR 4/6	5	C	M	Clay Loam	
				-			- T	
	entration. D=Depletion	ı. RM=Reduced	Matrix, CS=Covered	d or Coated	I Sand Gra	ains ² Locat	tion: PL=Pore Lining. M=Ma	atrix
Hydric Soil In							Indicators for Proble	ematic Hydric Soils ³ :
Histosol (A1	•		Polyvalue Belo	w Surface	(S8) (LRR	S, T, U)	1 cm Muck (A9) (L	RR O)
Histic Epipe			Thin Dark Surf	ace (S9) (L	.RR S, T, l	J)	2 cm Muck (A10) (LRR S)
Black Histic	(A3)		Loamy Mucky	Mineral (F1) (LRR 0)		Reduced Vertic (F1	8) (outside MLRA 150A,B)
Hydrogen S	Sulfide (A4)		Loamy Gleyed	Matrix (F2))		Piedmont Floodplai	in Soils (F19) (LRR P, S, T)
Stratified La	ayers (A5)		Depleted Matri	ix (F3)				Loamy Soils (F20) (MLRA 153B)
Organic Boo	dies (A6) (LRR P, T, U)	✓ Redox Dark Su	ırface (F6)			Red Parent Materia	, , , ,
5 cm Mucky	y Mineral (A7) (LRR P,	T, U)	Depleted Dark	Surface (F	7)		Very Shallow Dark	• •
Muck Prese	nce (A8) (LRR U)		Redox Depress	sions (F8)			Other (Explain in R	
1 cm Muck	(A9) (LRR P, T)		Marl (F10) (LR				Other (Explain in K	eritarks)
Depleted Be	elow Dark Surface (A1	1)	Depleted Ochr		LRA 151)			
Thick Dark	Surface (A12)		Iron-Manganes			R O. P. T)		
Coast Prairi	e Redox (A16) (MLRA	150A)	Umbric Surface					
	k Mineral (S1) (LRR O,		Delta Ochric (F					
	ed Matrix (S4)	,	Reduced Vertic			150R)	³ Indicators o	f hydrophytic vegetation and
Sandy Redo			Piedmont Floo					ydrology must be present, disturbed or problematic.
Stripped Ma							9A, 153C, 153D)	disturbed of problematic.
	ce (S7) (LRR P, S, T, L	I)	Anomaious Bri	gnt Loamy	3011S (F20) (IVILKA 149	9A, 153C, 153D)	
Dark Surfac	(57) (EKK 1 , 5, 1 , C	'/						
Restrictive Lay	yer (if observed):							
Type:				_				
Depth (inche	es):			_			Hydric Soil Present?	Yes No
Remarks:	•							
Kernarks.								

Project/Site: AC Commercial Site City	ounty: Broussard Sar	mpling Date: 25-Feb-21
Applicant/Owner: One Acadiana	State: LA Sampling Point:	3
Investigator(s): Ryne Menard Sec	ion, Township, Range: S 34 T 10S	R 05E
Landform (hillslope, terrace, etc.): Undulating Loca	relief (concave, convex, none): _convex	Slope: 1.0 % / 0.6 °
Subregion (LRR or MLRA): LRR O Lat.: 91°	7' 20.885" W Long. : 30° 7' 32.791" N	Datum: NAD83
Soil Map Unit Name: MbA:Memphis silt loam, 0 to 1 percent slopes:5% Hyd		
Are climatic/hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Ren	
Are Vegetation, Soil, or Hydrology significantly dis		
Are Vegetation, Soil, or Hydrology naturally proble	•	
SUMMARY OF FINDINGS - Attach site map showing sampli		·
Hydrophytic Vegetation Present? Yes ● No ○		
Hydric Soil Present? Yes No	Is the Sampled Area Yes No No No No No No No No	
Wetland Hydrology Present? Yes O No •	within a Wetland? Yes Vo	
Remarks:		
Area still has furroughs from agriculture activities.		
HYDROLOGY		
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	Surface Soil Cracks	·
Surface Water (A1) Aquatic Fauna (B13)		d Concave Surface (B8)
☐ High Water Table (A2) ☐ Marl Deposits (B15) (LR		
Saturation (A3) Hydrogen Sulfide Odor	1) Moss Trim Lines (E	316)
☐ Water Marks (B1) ☐ Oxidized Rhizospheres a	ng Living Roots (C3)	Table (C2)
Sediment Deposits (B2)	(C4) Crayfish Burrows (C8)
☐ Drift Deposits (B3) ☐ Recent Iron Reduction i	Tilled Soils (C6) Saturation Visible of	on Aerial Imagery (C9)
☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7)	Geomorphic Position	on (D2)
☐ Iron Deposits (B5) ☐ Other (Explain in Remar	Shallow Aquitard (I	D3)
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (I	08) (LRR T, U)
Field Observations:		
Surface Water Present? Yes No Depth (inches):		
Water Table Present? Yes O No O Depth (inches):		
Saturation Present? (includes capillary frings) Yes No Depth (inches):	Wetland Hydrology Present?	∕es ○ No •
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	vious inspections), if available:	
Describe Recorded Data (stream gaage, memoring weil, derial priotes, pr	nous inspections), ii uvulusie.	
Develop		
Remarks:		

ominance Test worksheet:
umber of Dominant Species hat are OBL, FACW, or FAC:2 (A)
otal Number of Dominant pecies Across All Strata: 2 (B)
Sected Actions All Strate.
ercent of dominant Species hat Are ORL FACW or FAC: 100.0% (A/B)
hat Are OBL, FACW, or FAC:100.0% (A/B)
evalence Index worksheet:
Total % Cover of: Multiply by:
L speci es x 1 =0
CW species0 x 2 =0
C speci es <u>115</u> x 3 = <u>345</u>
CU species $5 \times 4 = 20$
L speci es0 x 5 =0
lumn Totals: <u>120</u> (A) <u>365</u> (B)
Prevalence Index = B/A =3.042_
ydrophytic Vegetation Indicators:
1 - Rapid Test for Hydrophytic Vegetation
2 - Dominance Test is > 50%
3 - Prevalence Index is ≤3.0 ¹
Problematic Hydrophytic Vegetation ¹ (Explain)
Indicators of hydric soil and wetland hydrology must
e present, unless disturbed or problematic.
efinition of Vegetation Strata:
ree - Woody plants, excluding woody vines,
oproximately 20 ft (6 m) or more in height and 3 in. .6 cm) or larger in diameter at breast height (DBH).
apling - Woody plants, excluding woody vines, oproximately 20 ft (6 m) or more in height and less
an 3 in. (7.6 cm) DBH.
apling/Shrub - Woody plants, excluding vines, less an 3 in. DBH and greater than 3.28 ft (1m) tall.
3· · · · · · · · · · · · · · · · · · ·
nrub - Woody plants, excluding woody vines,
proximately 3 to 20 ft (1 to 6 m) in height.
erb - All herbaceous (non-woody) plants, including
erbaceous vines, regardless of size, and woody
ants, except woody vines, less than approximately ft (1 m) in height.
· · · · · · · · · · · · · · · · · · ·
oody vine - All woody vines, regardless of height.
hadaaa bada
lydrophytic regetation
resent? Yes No
É

Profile Descr	ription: (Des	cribe to t	he depth	needed to d	locument	the indic	ator or co	onfirm the	absence of indicators.)	
Depth		Matrix			Red	dox Featu	res		_	
(inches)	Color (r	moist)	%	Color (moist)	%	Tvpe 1	Loc2	Texture	Remarks
0-14	10YR	2/2	95	10YR	4/6	5	С	M	Clay Loam	
14-20	10YR	5/3	65	10YR	2/2	30	D	М	Clay Loam	
				10YR	4/6	5	С	М	Clay Loam	
	-			-		-				
									-	
		=Depletion	. RM=Redu	uced Matrix, (CS=Covere	d or Coate	d Sand Gr	ains ² Loca	ation: PL=Pore Lining. M=Ma	trix
Hydric Soil I									Indicators for Problem	matic Hydric Soils ³ :
Histosol (•				yvalue Belo				1 cm Muck (A9) (LR	R O)
	pedon (A2)			Thi	n Dark Sur	face (S9) (LRR S, T,	J)	2 cm Muck (A10) (L	.RR S)
Black Hist				Loa	my Mucky	Mineral (F	1) (LRR 0)		Reduced Vertic (F18	8) (outside MLRA 150A,B)
Hydrogen	Sulfide (A4)			Loa	my Gleyed	Matrix (F2	2)		Piedmont Floodplair	n Soils (F19) (LRR P, S, T)
Stratified	Layers (A5)			☐ Dep	oleted Matr	ix (F3)			Anomalous Bright L	oamy Soils (F20) (MLRA 153B)
Organic B	lodies (A6) (L	RR P, T, U))	✓ Red	dox Dark Si	urface (F6)			Red Parent Material	•
5 cm Muc	ky Mineral (A	7) (LRR P,	T, U)	☐ Dep	oleted Dark	Surface (F	F7)		Very Shallow Dark S	
Muck Pres	sence (A8) (L	RR U)		Rec	dox Depres	sions (F8)			Other (Explain in Re	, ,
1 cm Muc	k (A9) (LRR F	P, T)		☐ Mai	1 (F10) (LF	RR U)			Other (Explain in Re	, marks)
Depleted	Below Dark S	urface (A1	1)	☐ Dep	oleted Ochi	ric (F11) (N	/ILRA 151)			
☐ Thick Dar	k Surface (A1	2)			n-Mangane			R O, P, T)		
Coast Pra	irie Redox (A	16) (MLRA	150A)		bric Surfac					ļ
Sandy Mu	ick Mineral (S	1) (LRR O,	S)		ta Ochric (ļ
Sandy Gle	eyed Matrix (S	64)			duced Verti			150B)		hydrophytic vegetation and
Sandy Re	dox (S5)							LRA 149A)		drology must be present, isturbed or problematic.
	Matrix (S6)					•			9A, 153C, 153D)	starbed of problemate.
	ace (S7) (LRR	2 P. S. T. U)		omalous bi	igiti Loairiy	7 30113 (1 20) (WERA 14	7K, 1330, 133D)	ļ
	(, (, . , . , .	,							ļ
Restrictive La	ayer (if obse	erved):								
Type:						_			Hydric Soil Present?	Yes ● No ○
Depth (incl	hes):					_			,	103 0 110 0
Remarks:										
										ļ
										!

Project/Site: AC Commercial Site City	/County: Broussard	Sampling Date: 25-Feb-21				
Applicant/Owner: One Acadiana	State: LA	Sampling Point: 4				
Investigator(s): Ryne Menard Se	ction, Township, Range: S	34 T 10S R 05E				
Landform (hillslope, terrace, etc.): Undulating Loc	al relief (concave, convex, r	none): convcave				
Subregion (LRR or MLRA): LRR O Lat.: 91°	57' 5.745" W Long	g.: 30° 7' 27.527" N				
Soil Map Unit Name: MbA:Memphis silt loam, 0 to 1 percent slopes:5% Hy		NWI classification:				
Are climatic/hydrologic conditions on the site typical for this time of year?	Yes ● No ○	(If no, explain in Remarks.)				
Are Vegetation , Soil , or Hydrology significantly di		Circumstances" present?				
		prosent.				
Are Vegetation, Soil, or Hydrology naturally problems. SUMMARY OF FINDINGS - Attach site map showing sample.	,	explain any answers in Remarks.)				
		ranscots, important reatares, etc.				
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area					
Hydric Soil Present? Yes No No	within a Wetland?	Yes ○ No •				
Wetland Hydrology Present? Yes ○ No ●						
Remarks:						
Area still has furroughs from agriculture activities.						
LIVEROLOGY						
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicators (minimum of 2 required)				
Primary Indicators (minimum of one required; check all that apply)		Surface Soil Cracks (B6)				
Surface Water (A1) Aquatic Fauna (B13) Mad Danasita (A15) (M15)	2D 11)	Sparsely Vegetated Concave Surface (B8)				
☐ High Water Table (A2) ☐ Marl Deposits (B15) (Li ☐ Saturation (A3) ☐ Hydrogen Sulfide Odor		Drainage Patterns (B10)				
	along Living Roots (C3)	Moss Trim Lines (B16)				
Sediment Deposits (B2) Sediment Deposits (B2) Presence of Reduced I		☐ Dry Season Water Table (C2) ☐ Crayfish Burrows (C8)				
☐ Drift Deposits (B3) ☐ Recent Iron Reduction	• •	Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4) Thin Muck Surface (C7	• •	Geomorphic Position (D2)				
☐ Iron Deposits (B5) ☐ Other (Explain in Rema		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 O No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? (includes confillant frings) Yes No Depth (inches):	Wetland Hyd	rology Present? Yes O No 🖲				
(includes capillary in rige)		W-1-1.				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if avai	liable:				
Remarks:						

			minant pecies?	Sampling Point: 4
Tree Stratum (Plot size:)	Absolute % Cover	Re		
·	0		0.0%	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
			0.0%	
			0.0%	Total Number of Dominant Species Across All Strata:5(B)
			0.0%	Species Across Air Strata.
			0.0%	Percent of dominant Species
			0.0%	That Are OBL, FACW, or FAC: 80.0% (A/B)
			0.0%	Prevalence Index worksheet:
	0		0.0%	Total % Cover of: Multiply by:
0% of Total Cover: 0 20% of Total Cover: 0	0 =	= To	tal Cover	0BL species 0 x 1 = 0
apling or Sapling/Shrub Stratum (Plot size:)			FACW species
	0		0.0%	FAC speciles <u>80</u> x 3 = <u>240</u>
	0		0.0%	FACU species35 x 4 =140
	0		0.0%	UPL species $0 \times 5 = 0$
	0		0.0%	Column Totals: 115 (A) 380 (B)
	0		0.0%	
	_		0.0%	Prevalence Index = B/A = 3.304
	0		0.0%	Hydrophytic Vegetation Indicators:
	0		0.0%	1 - Rapid Test for Hydrophytic Vegetation
0% of Total Cover:0 20% of Total Cover:0	0 =	= To	tal Cover	✓ 2 - Dominance Test is > 50%
hrub Stratum (Plot size: <u>30'</u>)				3 - Prevalence Index is ≤3.0 ¹
Baccharis halimifolia	30	✓	66.7% FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Moralla carifora		V	22.2% FAC	
Pinus taeda			11.1% FAC	Indicators of hydric soil and wetland hydrology must
		\Box	0.0%	be present, unless disturbed or problematic.
		\Box	0.0%	Definition of Vegetation Strata:
		Π-	0.0%	Tree - Woody plants, excluding woody vines,
0% of Total Cover: 22.5 20% of Total Cover: 9		= To	tal Cover	approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
lerb Stratum (Plot size: 30')				
_ Solidago altissima	35	V _	50.0% FACU	Sapling - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
. Rubus argutus	20	V _	28.6% FAC	than 3 in. (7.6 cm) DBH.
Baccharis halimifolia	15	~	21.4% FAC	_
, baccharis naminiona				
	0		0.0%	Sapling/Shrub - Woody plants, excluding vines, less
	0		0.0%	Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1m) tall.
	0			than 3 in. DBH and greater than 3.28 ft (1m) tall.
	0 0 0		0.0%	
	0 0 0 0		0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
	0 0 0 0		0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb - All herbaceous (non-woody) plants, including
i. 5. 5. 7. 8.	0 0 0 0 0		0.0% 0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. 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
5	0 0 0 0 0		0.0% 0.0% 0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb - All herbaceous (non-woody) plants, including
1. 5. 5. 7. 3. 9.	0 0 0 0 0		0.0% 0.0% 0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. 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
1. 5. 6. 7. 8. 9.	0 0 0 0 0 0 0		0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. 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
	0 0 0 0 0 0 0		0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. 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.
	0 0 0 0 0 0 0 0 0 0		0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. 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.
	0 0 0 0 0 0 0 0 0 0 0		0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. 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.
	0 0 0 0 0 0 0 0 0 0 0 0 0		0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. 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.
	0 0 0 0 0 0 0 0 0 0 70 =		0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. 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.
4	0 0 0 0 0 0 0 0 0 0 70 =		0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. 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. Hydrophytic
4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	than 3 in. DBH and greater than 3.28 ft (1m) tall. 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.

Profile Descr	ription: (De	scribe to t	he depth	needed to d	locument	the indic	ator or co	onfirm the	absence of indicators.)	
Depth		Matrix			Red	dox Featu	res		_	
(inches)	Color (moist)	%	Color (moist)	%	Tvpe 1	Loc2	Texture	Remarks
0-5	10YR	4/2	95	10YR	5/8	5	С	M	Clay Loam	
5-20	10YR	2/1	75	10YR	7/1	20	D	М	Clay Loam	
				10YR	5/8	5	С	M	Clay Loam	
	-			-	-	-				
1 Type: C=Con	centration. D	 =Depletion	. RM=Redi	uced Matrix. (CS=Covere	d or Coate	d Sand Gr	ains ² Loca	ation: PL=Pore Lining. M=Mat	rix
Hydric Soil I										
Histosol (Pol	vvalue Belo	ow Surface	(S8) (LRR	S. T. U)	Indicators for Problem 1 cm Muck (A9) (LR	
	pedon (A2)					face (S9) (
Black Hist				_		Mineral (F			2 cm Muck (A10) (Li	RK 5) (outside MLRA 150A,B)
Hydrogen	Sulfide (A4)					I Matrix (F2				Soils (F19) (LRR P, S, T)
	Layers (A5)				oleted Matr		-,			
	Bodies (A6) (L	RR P, T, U))			urface (F6)				pamy Soils (F20) (MLRA 153B)
	ky Mineral (A			_		Surface (I			Red Parent Material	
	sence (A8) (L		. ,		dox Depres		,,		☐ Very Shallow Dark S	
	k (A9) (LRR				1 (F10) (LF				Other (Explain in Re	marks)
	Below Dark S		1)			ric (F11) (N	/II RA 151)			
	k Surface (A		•			se Masses		2 O P T)		
	irie Redox (A		150A)			e (F13) (LI				
	ıck Mineral (S					F17) (MLR		,		
	eyed Matrix (٥,			c (F18) (M		150P)		hydrophytic vegetation and
Sandy Re	-	0.,						LRA 149A)		drology must be present, sturbed or problematic.
	Matrix (S6)					•			9A, 153C, 153D)	sturbed of problematic.
	ace (S7) (LRI	RPSTII)	L And	JIIIaluus bi	igni Loaniy	30115 (F20) (IVILKA 14	9A, 155C, 155D)	
Durk our	dec (07) (EI	1.17 0, 17 0	,							
Restrictive L	ayer (if obs	erved):								
Type:						_			Hydric Soil Present?	Yes No
Depth (inc	nes):					_			.,	103 0 110 0
Remarks:										

Project/Site: AC Commercial Site City	y/County: Broussard		Sampling Date:	25-Feb-21
Applicant/Owner: One Acadiana	State: LA	Samplin	ng Point: 5	
Investigator(s): Ryne Menard S	ection, Township, Rar	nge: S 34	T 10S R ()5E
Landform (hillslope, terrace, etc.): Undulating Loc	cal relief (concave, con	nvex, none): conve	Slope:	1.0 % / 0.6°
Subregion (LRR or MLRA): LRR O Lat.: 91	° 57' 14.862" W	Long.: 30° 7' 27	7.552" N D a	tum: NAD83
Soil Map Unit Name: MbA:Memphis silt loam, 0 to 1 percent slopes:5% Hy	vdric	NWI cla	essification:	-
Are climatic/hydrologic conditions on the site typical for this time of year?	Yes No	$\overline{}$	in in Remarks.)	
Are Vegetation, Soil, or Hydrology significantly d	isturbed? Are "N	Normal Circumstance	(● No ○
Are Vegetation , Soil , or Hydrology naturally prob		eded, explain any ar	•	
SUMMARY OF FINDINGS - Attach site map showing samp	•	•	•	s, etc.
Hydrophytic Vegetation Present? Yes No		_		
Hydric Soil Present? Yes No	Is the Sampled	Area Ja Yes O No (
Wetland Hydrology Present? Yes No •	within a Wetlan	d? Yes ○ No \	•	
Remarks:				
Area still has furroughs from agriculture activities.				
HYDROLOGY				
Wetland Hydrology Indicators:		Secondary Inc	dicators (minimum of 2 r	equired)
Primary Indicators (minimum of one required; check all that apply)			oil Cracks (B6)	
Surface Water (A1) Aquatic Fauna (B13)		Sparsely \	Vegetated Concave Surfa	ce (B8)
High Water Table (A2) Marl Deposits (B15) (L	RR U)	Drainage	Patterns (B10)	
Saturation (A3) Hydrogen Sulfide Odo	r (C1)	Moss Trim	n Lines (B16)	
Water Marks (B1) Oxidized Rhizospheres	along Living Roots (C3)	Dry Seaso	on Water Table (C2)	
Sediment Deposits (B2)	• •		Burrows (C8)	
Drift Deposits (B3) Recent Iron Reduction	• •		n Visible on Aerial Image	ry (C9)
Algal Mat or Crust (B4) Thin Muck Surface (C7)	•		hic Position (D2)	
☐ Iron Deposits (B5) ☐ Other (Explain in Rem	arks)		quitard (D3)	
Inundation Visible on Aerial Imagery (B7)			ral Test (D5)	
Water-Stained Leaves (B9)	<u> </u>	Sphagnun	m moss (D8) (LRR T, U)	
Field Observations: Surface Water Present? Yes No Depth (inches):				
Water Table Present? Yes No Depth (inches):	Wetlar	nd Hydrology Presen	t? Yes O No	•
Saturation Present? (includes capillary fringe) Yes No Depth (inches):		id Trydrology Fresen	103 0 100	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	orevious inspections),	if available:		
Remarks:				
Tro-Trained				

			ominant pecies? _		Sampling Point: 5
Tree Stratum (Plot size:)	Absolute % Cover	R	•	Indicator Status	Dominance Test worksheet:
· · · · · · · · · · · · · · · · · · ·	0	П	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)
			0.0%		That die obe, thou, or the
			0.0%		Total Number of Dominant Species Across All Strata: 4 (B)
	_		0.0%		Species Across All Strata4(b)
			0.0%		Percent of dominant Species
			0.0%		That Are OBL, FACW, or FAC: 75.0% (A/B)
			0.0%		Prevalence Index worksheet:
	0		0.0%		Total % Cover of: Multiply by:
0% of Total Cover: 0 20% of Total Cover: 0	0 =	= T	otal Cover		0BL species0 x 1 =0
apling or Sapling/Shrub Stratum (Plot size:)				FACW species <u>0</u> x 2 = <u>0</u>
	0		0.0%		FAC species 95 x 3 = 285
	0		0.0%		FACU species <u>25</u> x 4 = <u>100</u>
	0		0.0%		UPL species $0 \times 5 = 0$
			0.0%		Column Totals: 120 (A) 385 (B)
			0.0%		
	0		0.0%		Prevalence Index = B/A = 3.208
	0_		0.0%		Hydrophytic Vegetation Indicators:
	0_		0.0%		1 - Rapid Test for Hydrophytic Vegetation
0% of Total Cover:0 20% of Total Cover:0	0 =	= T	otal Cover		✓ 2 - Dominance Test is > 50%
hrub Stratum (Plot size: 30')					3 - Prevalence Index is ≤3.0 ¹
Baccharis halimifolia	20	✓	66.7%	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Morella cerifera		✓	33.3%	FAC	Troblemane rigarophysic regenation (Explain)
	_		0.0%		¹ Indicators of hydric soil and wetland hydrology must
			0.0%		be present, unless disturbed or problematic.
	_	П	0.0%		Definition of Vegetation Strata:
	0		0.0%		Tree - Woody plants, excluding woody vines,
.0% of Total Cover: 15 20% of Total Cover: 6	30 =	= Te	otal Cover		approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
lerb Stratum (Plot size: 30')					
. Rubus argutus	40	V	44.4%	FAC	Sapling - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
Solidago altissima	15	V	16.7%	FACU	than 3 in. (7.6 cm) DBH.
Baccharis halimifolia	10		11.1%	FAC	
_ Lygodium japonicum	10		11.1%	FAC	Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1m) tall.
_ Cirsium horridulum	5		5.6%	FAC	than 3 in. DBH and greater than 3.20 it (1111) tall.
_ Andropogon gyrans	5		5.6%	FACU	Shrub - Woody plants, excluding woody vines,
_ Eupatorium capillifolium			5.6%	FACU	approximately 3 to 20 ft (1 to 6 m) in height.
			0.0%		Harb All barbassas (see see the left of the left)
<u> </u>			0.0%		Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
	0_		0.0%		plants, except woody vines, less than approximately
•	0_		0.0%		3 ft (1 m) in height.
2	0_		0.0%		Weedersine Allawastersines researches of being
0% of Total Cover: 45 20% of Total Cover: 18	90 =	= Te	otal Cover		Woody vine - All woody vines, regardless of height.
	_		0.55:		
	0		0.0%		
			0.0%		I
	0				
			0.0%		
			0.0%		Hydrophytic
Voody Vine Stratum (Plot size:) 50% of Total Cover: 0 20% of Total Cover: 0	0 0 0 0		0.0%		Hydrophytic Vegetation Present? Yes No

Profile Descr	iption: (Describe to	the depth nee	ded to document	the indic	ator or co	onfirm the a	absence of indicators.)	
Depth	Matrix		Rec	dox Featu			_	
(inches)	Color (moist)	%	Color (moist)	_%	Tvpe 1	Loc2	Texture	Remarks
0-20	10YR 3/2	80	10YR 4/6	20	С	M	Clay Loam	
				-				
				- —				
							-	
				- ——				
¹ Type: C=Cond	centration. D=Depletion	ı. RM=Reduced	Matrix, CS=Covere	d or Coate	d Sand Gra	ains ² Loca	tion: PL=Pore Lining. M=N	Matrix
Hydric Soil I	ndicators:						Indicators for Prob	lematic Hydric Soils 3:
Histosol (A	A1)		Polyvalue Belo	ow Surface	(S8) (LRR	S, T, U)	1 cm Muck (A9) (
Histic Epip	edon (A2)		Thin Dark Surf	face (S9) (LRR S, T, I	J)	2 cm Muck (A10)	
Black Histi	ic (A3)		Loamy Mucky					F18) (outside MLRA 150A,B)
Hydrogen	Sulfide (A4)		Loamy Gleyed					ain Soils (F19) (LRR P, S, T)
	Layers (A5)		Depleted Matr		-/			
	odies (A6) (LRR P, T, U)	Redox Dark Su				_	t Loamy Soils (F20) (MLRA 153B)
	ky Mineral (A7) (LRR P,		Depleted Dark	. ,			Red Parent Mater	
	sence (A8) (LRR U)	1, 0)			7)			
	k (A9) (LRR P, T)		Redox Depres				Other (Explain in	Remarks)
	Below Dark Surface (A1	1)	☐ Marl (F10) (LR					
	•	1)	Depleted Ochr					
	Surface (A12)		☐ Iron-Mangane					
	rie Redox (A16) (MLRA		Umbric Surfac	e (F13) (LF	RR P, T, U))		
	ck Mineral (S1) (LRR O	, S)	Delta Ochric (I	F17) (MLRA	A 151)		3 _{Indicators}	of hydrophytic vegetation and
	yed Matrix (S4)		Reduced Verti	c (F18) (M	LRA 150A,	150B)		hydrology must be present,
Sandy Red	dox (S5)		Piedmont Floo	dplain Soil	s (F19) (M	LRA 149A)		disturbed or problematic.
Stripped N	Matrix (S6)		Anomalous Bri	ight Loamy	Soils (F20) (MLRA 149	9A, 153C, 153D)	
Dark Surfa	ace (S7) (LRR P, S, T, L	J)						
Dantaintina I.	(if all a second)							
	ayer (if observed):							
Type:				_			Hydric Soil Present?	Yes ● No ○
Depth (inch	nes):							103 0 110 0
Remarks:								

Project/Site: AC Commercial Site City	County: Broussard	Sampling Date:	25-Feb-21
Applicant/Owner: One Acadiana	State: LA S	Sampling Point: 6	
Investigator(s): Ryne Menard Se	tion, Township, Range: S 34	T 10S R 05E	
Landform (hillslope, terrace, etc.): Flat Loc	relief (concave, convex, none):	concave Slope: 0.0	% / 0.0°
Subregion (LRR or MLRA): LRR O Lat.: 91°	57' 22.186" W Long .: 3()° 7' 27.588" N	: NAD83
Soil Map Unit Name: MbA:Memphis silt loam, 0 to 1 percent slopes:5% Hy	ic	NWI classification:	
Are climatic/hydrologic conditions on the site typical for this time of year?		, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology significantly di		mstances" present? Yes	$_{No}$ \bigcirc
Are Vegetation, Soil, or Hydrology naturally probl		n any answers in Remarks.)	
SUMMARY OF FINDINGS - Attach site map showing samp			tc.
Hydrophytic Vegetation Present? Yes ○ No ●			
Hydric Soil Present? Yes No	Is the Sampled Area	○ No •	
Wetland Hydrology Present? Yes ○ No ●	within a Wetland? Yes	J No ♥	
Remarks:			
Remarks:			
HYDROLOGY			
Wetland Hydrology Indicators:	Secon	ndary Indicators (minimum of 2 require	ad)
Primary Indicators (minimum of one required; check all that apply)		urface Soil Cracks (B6)	su)
Surface Water (A1) Aquatic Fauna (B13)		parsely Vegetated Concave Surface (B	i8)
High Water Table (A2) Marl Deposits (B15) (LI		rainage Patterns (B10)	-,
☐ Saturation (A3) ☐ Hydrogen Sulfide Odor		loss Trim Lines (B16)	
☐ Water Marks (B1) ☐ Oxidized Rhizospheres	ong Living Roots (C3)	ry Season Water Table (C2)	
Sediment Deposits (B2)	n (C4)	rayfish Burrows (C8)	
☐ Drift Deposits (B3) ☐ Recent Iron Reduction	Tilled Soils (C6)	aturation Visible on Aerial Imagery (C9))
Algal Mat or Crust (B4) Thin Muck Surface (C7)	[] G	Geomorphic Position (D2)	
☐ Iron Deposits (B5) ☐ Other (Explain in Rema	·	hallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)		AC-Neutral Test (D5)	
Water-Stained Leaves (B9)	S ₁	phagnum moss (D8) (LRR T, U)	
Field Observations: Surface Water Present? Yes No Depth (inches):			
Water Table Present? Yes No Depth (inches):		Present? Yes No •	
Saturation Present? (includes capillary fringe) Yes No • Depth (inches):	Wetland Hydrology	Present? res V NU V	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	evious inspections), if available:		
	·		
Remarks:			
Remarks.			

			minant ecies?		Sampling Point: 6
(District of	Absolute	Re	I.Strat.		Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover		Cover	Status	Number of Dominant Species
1		Н.	0.0%		That are OBL, FACW, or FAC:
<u>2</u>		Η-	0.0%		Total Number of Dominant
3 4.		_	0.0%		Species Across All Strata:
-		H-	0.0%		Percent of dominant Species
<u> </u>		H	0.0%		That Are OBL, FACW, or FAC: 0.0% (A/B)
_		Π	0.0%		Prevalence Index worksheet:
7 3.		\Box	0.0%		Total % Cover of: Multiply by:
50% of Total Cover: 0 20% of Total Cover: 0		ـــــــــــــــــــــــــــــــــــــ	tal Cover		0BL species 0 x 1 = 0
Sapling or Sapling/Shrub Stratum (Plot size:					FACW species 0 x 2 = 0
		П	0.0%		FAC species x 3 =30
). 2.		П	0.0%		FACU species 90 x 4 = 360
3.		\Box	0.0%		UPL species 0 x 5 = 0
i			0.0%		N C
5			0.0%		Col umn Total s: 100 (A) 390 (B)
)			0.0%		Prevalence Index = B/A = 3.900
7.			0.0%		Hydrophytic Vegetation Indicators:
3.	0		0.0%		1 - Rapid Test for Hydrophytic Vegetation
50% of Total Cover: 0 20% of Total Cover: 0	0 =	– To:	tal Cover		2 - Dominance Test is > 50%
Shrub Stratum (Plot size:)					
<u> </u>	0	П	0.0%		3 - Prevalence Index is ≤3.0 ¹
 2		\Box	0.0%		☐ Problematic Hydrophytic Vegetation ¹ (Explain)
	_	Π	0.0%		¹ Indicators of hydric soil and wetland hydrology must
1		\Box	0.0%		be present, unless disturbed or problematic.
. 5		\Box	0.0%		Definition of Vegetation Strata:
o		П	0.0%		Tree - Woody plants, excluding woody vines,
50% of Total Cover: 0 20% of Total Cover: 0		 = To	tal Cover		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 D-44	70	V	70.0%	FACU	Sapling - Woody plants, excluding woody vines,
2 Andrewson surem		<u> </u>	20.0%	FACU	approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
3. Rubus argutus	10		10.0%	FAC	than 3 in. (7.0 cm) DBH.
4	0	\Box	0.0%	TAC	Sapling/Shrub - Woody plants, excluding vines, less
5		П	0.0%		than 3 in. DBH and greater than 3.28 ft (1m) tall.
6		$\overline{\Box}$	0.0%		Charle Wasdenlands and discussed wines
7			0.0%		Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
8			0.0%		
9			0.0%		Herb - All herbaceous (non-woody) plants, including
0	0		0.0%		herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately
1	0		0.0%		3 ft (1 m) in height.
2	0		0.0%		
50% of Total Cover: 20% of Total Cover:20	100 =	= To	tal Cover		Woody vine - All woody vines, regardless of height.
Woody Vine Stratum (Plot size:)					
1.	0		0.0%		
2.			0.0%		
3.	0		0.0%		
1.	_		0.0%		
5.	0		0.0%		Hydrophytic Vegetation
50% of Total Cover: 0 20% of Total Cover: 0	0 =	= To	tal Cover		Present? Yes No •
		= To			Vegetation Present? Yes ○ No ●

Profile Descri	ption: (Describe to t	the depth ne	eded to do	cument	the indica	ator or co	onfirm the	absence of indicators.)	
Depth	Matrix			Red	lox Featu	res		_	
(inches)	Color (moist)	%	Color (m	oist)	%	Type 1	_Loc2	Texture Remarks	
0-20	10YR 3/2	90	10YR	5/8	5	С	M	Clay Loam	
			10YR	7/3	5	С	M	Clay Loam	
						-			
								_ ·	
						-		-	
	entration. D=Depletion	i. RM=Reduce	ed Matrix, CS	=Covered	d or Coated	1 Sand Gra	ains ² Loca	ation: PL=Pore Lining. M=Matrix	
Hydric Soil II			_					Indicators for Problematic Hydric Soils	³ :
Histosol (A	•		Polyva	alue Belo	w Surface	(S8) (LRR	S, T, U)	1 cm Muck (A9) (LRR O)	ļ
Histic Epip	edon (A2)		Thin [Dark Surf	ace (S9) (l	RR S, T, I	J)	2 cm Muck (A10) (LRR S)	
Black Histi	c (A3)		Loam	y Mucky	Mineral (F1) (LRR O)	1	Reduced Vertic (F18) (outside MLRA 15	0A,B)
Hydrogen	Sulfide (A4)		Loam	y Gleyed	Matrix (F2)		Piedmont Floodplain Soils (F19) (LRR P,	. S. T)
Stratified L	ayers (A5)		Deple	ted Matri	ix (F3)			Anomalous Bright Loamy Soils (F20) (M	*
Organic Bo	odies (A6) (LRR P, T, U))			ırface (F6)			Red Parent Material (TF2)	2101 1002)
5 cm Muck	ky Mineral (A7) (LRR P,	T, U)			Surface (F	7)		☐ Very Shallow Dark Surface (TF12)	
☐ Muck Pres	ence (A8) (LRR U)				sions (F8)	,			
	(A9) (LRR P, T)			(F10) (LR				Other (Explain in Remarks)	
	Below Dark Surface (A1	1)			ic (F11) (N	II DA 151)			
	Surface (A12)	.,			se Masses		D O D T)		
	rie Redox (A16) (MLRA	1504)							
	ck Mineral (S1) (LRR O,				e (F13) (LF)		
		3)			17) (MLRA			³ Indicators of hydrophytic vegetat	tion and
	yed Matrix (S4)				c (F18) (MI			wetland hydrology must be pre-	sent,
Sandy Rec							LRA 149A)	unless disturbed or problema	atic.
Stripped M			Anom	alous Bri	ght Loamy	Soils (F20) (MLRA 14	49A, 153C, 153D)	
☐ Dark Surfa	ice (S7) (LRR P, S, T, U	J)							
Restrictive La	yer (if observed):								
Type:	, , , , , , , , , , , , , , , , , , , ,								
Depth (inch	ies):							Hydric Soil Present? Yes No)
Remarks:									

nvestigator(s): Ryne Menard Section, Township, Range: S 3 T 11S R 05E Andform (hillslope, terrace, etc.): Undulating Local relief (concave, convex, none): concave Slope: 1.0 % / 0.6°	Project/Site: AC Commercial Site City	y/County: Broussard	Sampling Da	ate: 25-Feb-21					
ubregion (LRf or MLRA): LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° W Long:: 30° 7° 17.896° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : LRR O Lat:: 91° 57° 13.418° N Datum: NADB3 oil Map Unit Name: MbA:Memphis : NADB3 oil Map Unit Name: Na	Applicant/Owner: One Acadiana	State: LA	Sampling Point: 7						
ubregion (LRR or MLRA): LRR ○	Investigator(s): Ryne Menard S	ection, Township, Range:	s 3 T 11S	R 05E					
oil Map Unit Name: MDA:Memphis silt loam, 0 to 1 percent slopes;5% Hydric	Landform (hillslope, terrace, etc.): Undulating Loc	al relief (concave, conve	x, none): concave Slope:	1.0 % / 0.6°					
oil Map Unit Name: MbA:Memphis silt loam, 0 to 1 percent slopes:5% Hydric	Subregion (LRR or MLRA): LRR O Lat.: 91	° 57' 13.418" W	ong.: 30° 7' 17.896" N	Datum: NAD83					
re climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation									
Are Vegetation									
Are Vegetation				Yes ● No ○					
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No No Is the Sampled Area within a Wetland Hydrology Present? Yes No No Wetland Hydrology Present? Yes No			nar en eurosamese present.						
Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Primary Indicators (minimum of 2 required) Surface Soil Cracks (86) Surface Water (A1) Aquatic Fauna (813) Hydrogen Surfide Odor (C1) Water Marks (B1) Sediment Deposits (B2) Presence of Reduced Iron (C4) Aquatic non Reduction in Tilled Soils (C6) Aquatic non Reduction in Tilled Soils (C6) Agal Mat or Crust (84) Innundation Visible on Aerial Imagery (B7) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No No Wetland Hydrology Indicators (minimum of 2 required) Secondary Indicators (minimum of 2 required) Secondary Indicators (minimum of 2 required) Surface Soil Cracks (86) Sparsely Vegetated Concave Surface (88) Dr brainage Patterns (810) Dr braina									
Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Primary Indicators (minimum of 2 required) Secondary Indicators (minimum of 2 required) Surface Soil Cracks (86) Surface Water (A1) Aquatic Fauna (813) Hydrogen Sulfide Odor (C1) Water Marks (B1) Adapt Marks (B2) Presence of Reduced Iron (C4) Adapt Marks (B3) Adapt Marks (B4) Adapt Marks (B4) Adapt Marks (B4) Adapt Marks (B5) Adapt Marks (B5) Adapt Marks (B6) Adapt Marks			· · · · · · · · · · · · · · · · · · ·						
Wetland Hydrology Present? Yes ● No ● within a Wetland? Remarks:		Is the Sampled Area							
HYDROLOGY Wetland Hydrology Indicators:		within a Wetland?	Yes ♥ No ∪						
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Sediment Deposits (B2) Presence of Reduced Iron (C4) Into Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saluration Visible on Aerial Imagery (B7) Mater Vest Water Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Soil Cracks (86) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) ✓ High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) ✓ Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) ✓ Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry Season Water Table (C2) ✓ Sediment Deposits (B2) Presence of Reduced Iron (C4) ✓ Crayfish Burrows (C8) ✓ Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (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): Wetland Hydrology Present? Yes No Water Table Present? Yes No Depth (inches): Oeenthicked (inches): Wetland Hydrology Present? Yes No Obscribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks:								
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Soil Cracks (86) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) ✓ High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) ✓ Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) ✓ Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry Season Water Table (C2) ✓ Sediment Deposits (B2) Presence of Reduced Iron (C4) ✓ Crayfish Burrows (C8) ✓ Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (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) Depth (inches): Field Observations: Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Metland Hydrology Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Soil Cracks (86) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) ✓ High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) ✓ Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) ✓ Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry Season Water Table (C2) ✓ Sediment Deposits (B2) Presence of Reduced Iron (C4) ✓ Crayfish Burrows (C8) ✓ Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (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) Depth (inches): Field Observations: Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Metland Hydrology Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	HYDROLOGY								
Primary Indicators (minimum of one required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Pligh Water Table (A2) Marl Deposits (B15) (LRR U) Mater Marks (B1) Water Marks (B1) Sediment Deposits (B2) Priff Deposits (B3) Algal Mat or Crust (B4) In no Deposits (B5) In no Deposits (B5) In nundation Visible on Aerial Imagery (B7) Water Table Present? Water Table Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Surface Water (A1)				of 2 required)					
✓ High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) ✓ Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) I ron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) I nundation 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): Includes capillary fringe) Yes No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:				Curfoss (DO)					
✓ Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) ✓ Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes No Depth (inches): Depth (inches): Depth (inches): Depth (inches): Owdetland Hydrology Present? Yes No Depth (inches): Owdetland Hydrology Present? Yes No No Depth (inches): Owdetland Hydrology Present? Yes No No No No Depth (inches): Owdetland Hydrology Present? Yes No		DD II)		Surface (B8)					
Water Marks (B1)									
Sediment Deposits (B2)		• •							
□ Drift Deposits (B3) □ Recent Iron Reduction in Tilled Soils (C6) □ Saturation Visible on Aerial Imagery (C9) □ Algal Mat or Crust (B4) □ Thin Muck Surface (C7) □ Geomorphic Position (D2) □ Iron Deposits (B5) □ Other (Explain in Remarks) □ Shallow Aquitard (D3) □ Inundation Visible on Aerial Imagery (B7) □ FAC-Neutral Test (D5) □ Sphagnum moss (D8) (LRR T, U) □ Sphagnum moss (D8) (LRR T, U) □ Sphagnum moss (D8) (LRR T, U) □ Depth (inches): □ User Table Present? Yes ○ No ○		0 0 . ,							
Algal Mat or Crust (B4)		• •							
☐ Iron Deposits (B5) ☐ Other (Explain in Remarks) ☐ Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) ☐ FAC-Neutral Test (D5) ☐ Water-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): ☐ Wetland Hydrology Present? Yes No Depth (inches): ☐ Observations Yes No Depth (inches): ☐ Ob		· ,							
□ 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): □ 0 Wetland Hydrology Present? Yes ○ No ○ Depth (inches): □ 0 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Wetland Hydrology Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	- Carpanian in team	31 KS)							
Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:				T 11)					
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Wetland Hydrology Present? Yes No Depth (inches): O Wetland Hydrology Present? Yes No Depth (inches): Yes No Depth (inches): O Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	. ,		Spriagrium moss (D8) (LRR 1	1, 0)					
Water Table Present? Saturation Present? (includes capillary fringe) Ves No Depth (inches): 10 Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 10 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Saturation Present? (includes capillary fringe) Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 1 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Water Freschit.								
(includes capillary fringe) Yes No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			lydrology Present? Yes	No O					
			iyarology r rosont.						
Remarks:	Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if a	vailable:						
Remarks:									
Remarks:									
	Remarks:								
	Normano.								

			minant		Sampling Point: 7	
Tree Stratum (Plot size:)	Absolute	Re	pecies? _ el.Strat.		Dominance Test worksheet:	
4	% Cover	\Box	0.0%	Status	Number of Dominant Species	
1 ?		\Box	0.0%		That are OBL, FACW, or FAC: (A)	
2		Π.	0.0%		Total Number of Dominant	
4		\Box	0.0%		Species Across All Strata: (B)	
5			0.0%		Percent of dominant Species	
5			0.0%		That Are OBL, FACW, or FAC: 50.0% (A/B)	
7	_ 0		0.0%		Prevalence Index worksheet:	
8	0		0.0%		Total % Cover of: Multiply by:	
50% of Total Cover: 0 20% of Total Cover: 0	0 =	= To	tal Cover		0BL speci es <u>40</u> x 1 = <u>40</u>	
Sapling or Sapling/Shrub Stratum (Plot size:)				FACW species	
1			0.0%		FAC speci es x 3 = 0	
2			0.0%		FACU species15 x 4 =60	
3	0_	\sqsubseteq	0.0%		UPL speci es x 5 =	
4		Ц.	0.0%		Column Totals: <u>65</u> (A) <u>120</u> (B)	
5		닏.	0.0%		Prevalence Index = B/A = 1.846	
5		\sqcup	0.0%			
7		님.	0.0%		Hydrophytic Vegetation Indicators:	
3	0_	Ш.	0.0%		1 - Rapid Test for Hydrophytic Vegetation	
50% of Total Cover:0 20% of Total Cover:0		= To	tal Cover		2 - Dominance Test is > 50%	
Shrub Stratum (Plot size:)		_			✓ 3 - Prevalence Index is ≤3.0 ¹	
l		\sqsubseteq	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)	
2	=	Ц.	0.0%		1	
3		Н.	0.0%		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
4 ₋		Ш.	0.0%		Definition of Vegetation Strate:	
5		Η.	0.0%		Definition of Vegetation Strata:	
5		<u>т</u> .	0.0% otal Cover		Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.	
	=	- 10	itai Covei		(7.6 cm) or larger in diameter at breast height (DBH).	
Herb Stratum (Plot size: 30')					Sapling - Woody plants, excluding woody vines,	
1. Juncus effusus		✓.	38.5%	OBL	approximately 20 ft (6 m) or more in height and less	
2. Rottboellia cochinchinensis		✓.	23.1%	FACU	than 3 in. (7.6 cm) DBH.	
3. Eleocharis palustris		Η.	15.4%	OBL	Sapling/Shrub - Woody plants, excluding vines, less	
4. Diodia virginiana 5. Eleocharis parvula		Η.	15.4% 7.7%	FACW OBL	than 3 in. DBH and greater than 3.28 ft (1m) tall.	
6		Η.	0.0%	OBL		
7		\Box	0.0%		Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.	
8			0.0%			
9			0.0%		Herb - All herbaceous (non-woody) plants, including	
10	0		0.0%		herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately	
11	0		0.0%		3 ft (1 m) in height.	
12	0		0.0%			
50% of Total Cover: 32.5 20% of Total Cover: 13	65 =	= To	tal Cover		Woody vine - All woody vines, regardless of height.	
Woody Vine Stratum (Plot size:)						
1	0		0.0%			
2.			0.0%			
3.			0.0%			
4.			0.0%			
5	0		0.0%		Hydrophytic Vegetation	
50% of Total Cover: 0 20% of Total Cover: 0		= To	tal Cover		Present? Yes No	
50% of Total Cover:0 20% of Total Cover:0			tal Cover		FIESGIL!	

Profile Descr	iption: (Describe to t	the depth nee	ded to document	the indic	ator or co	onfirm the a	absence of indicators.)	
Depth Matrix Redox Features					_			
(inches)	Color (moist)	%	Color (moist)	%	Tvpe 1	Loc2	Texture	Remarks
0-20	10YR 4/1	90	10YR 3/6	10	С	M	Clay Loam	
							-	
				-			-	
				- ——				
¹ Type: C=Cond	centration. D=Depletion	ı. RM=Reduced	Matrix, CS=Covere	d or Coate	d Sand Gra	ains ² Loca	tion: PL=Pore Lining. M=N	Matrix
Hydric Soil I	ndicators:						Indicators for Prob	lematic Hydric Soils 3:
Histosol (A	A1)		Polyvalue Belo	ow Surface	(S8) (LRR	S, T, U)	1 cm Muck (A9) (
Histic Epip	edon (A2)		Thin Dark Surf	face (S9) (LRR S, T, I	J)	2 cm Muck (A10)	
Black Histi	ic (A3)		Loamy Mucky					F18) (outside MLRA 150A,B)
Hydrogen	Sulfide (A4)		Loamy Gleyed					ain Soils (F19) (LRR P, S, T)
Stratified I	Layers (A5)		✓ Depleted Matr		-,			
	odies (A6) (LRR P, T, U)	Redox Dark Su				_	Loamy Soils (F20) (MLRA 153B)
	ky Mineral (A7) (LRR P,		Depleted Dark				Red Parent Mater	
	sence (A8) (LRR U)	1, 0)			-1)			
	k (A9) (LRR P, T)		Redox Depres				Other (Explain in	Remarks)
	Below Dark Surface (A1	1)	☐ Marl (F10) (LR					
	•	1)	Depleted Ochr					
	Surface (A12)		☐ Iron-Mangane					
	rie Redox (A16) (MLRA		Umbric Surfac	e (F13) (LF	RR P, T, U))		
	ck Mineral (S1) (LRR O,	, S)	Delta Ochric (I	F17) (MLR/	4 151)		3 _{Indicators}	of hydrophytic vegetation and
	yed Matrix (S4)		Reduced Verti	c (F18) (M	LRA 150A,	150B)		or rigarophytic vegetation and nydrology must be present,
Sandy Red	dox (S5)		Piedmont Floo	odplain Soils	s (F19) (M	LRA 149A)		disturbed or problematic.
Stripped N	Matrix (S6)		Anomalous Bri	ight Loamy	Soils (F20) (MLRA 149	9A, 153C, 153D)	
Dark Surfa	ace (S7) (LRR P, S, T, L	J)						
Dantaintina I.	(if all a server)							
	ayer (if observed):							
Type:				_			Hydric Soil Present?	Yes ● No ○
Depth (inch	nes):							103 0 140 0
Remarks:								

Project/Site: AC Commercial Site Ci	ity/County: Broussa	rd	Sampling Dat	e: 25-Feb-21
Applicant/Owner: One Acadiana	State:	LA Sam	pling Point: 8	
Investigator(s): Ryne Menard	Section, Township, R	Range: S 3	T 11S F	05E
Landform (hillslope, terrace, etc.): Undulating Lo	ocal relief (concave, o	convex, none): CO	nvex Slope:	1.0 % / 0.6°
Subregion (LRR or MLRA): LRR O Lat.: 9	1° 57' 13.904" W	Long.: 30° 7	' 18.697" N	Datum: NAD83
Soil Map Unit Name: MbA:Memphis silt loam, 0 to 1 percent slopes:5% F	lydric		classification:	
Are climatic/hydrologic conditions on the site typical for this time of year?	(a)		plain in Remarks.)	
Are Vegetation, Soil, or Hydrology significantly		"Normal Circumsta		es • No O
Are Vegetation, Soil, or Hydrology naturally pro			y answers in Remarks	,
SUMMARY OF FINDINGS - Attach site map showing sam	•			
Hydrophytic Vegetation Present? Yes No No				
Hydric Soil Present? Yes No	Is the Sample	ed Area 	ua 📵	
Wetland Hydrology Present? Yes O No •	within a Wetla	and? Yes ∪ r	10 🖱	
Remarks:				
Remarks.				
HYDROLOGY				
Wetland Hydrology Indicators:		Secondary	y Indicators (minimum of	2 required)
Primary Indicators (minimum of one required; check all that apply)			ce Soil Cracks (B6)	2 Tequileu)
Surface Water (A1) Aquatic Fauna (B13)			ely Vegetated Concave Su	urface (B8)
High Water Table (A2) Marl Deposits (B15)			age Patterns (B10)	
Saturation (A3) Hydrogen Sulfide Od		Moss	Trim Lines (B16)	
Water Marks (B1) Oxidized Rhizosphere	es along Living Roots (C	Dry Se	eason Water Table (C2)	
Sediment Deposits (B2) Presence of Reduced	d Iron (C4)	Crayfi	sh Burrows (C8)	
	on in Tilled Soils (C6)		ation Visible on Aerial Ima	agery (C9)
Algal Mat or Crust (B4) Thin Muck Surface (C	C7)		orphic Position (D2)	
☐ Iron Deposits (B5) ☐ Other (Explain in Rer	marks)		w Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)			leutral Test (D5)	
Water-Stained Leaves (B9)		☐ Sphag	gnum moss (D8) (LRR T,	U)
Field Observations: Surface Water Present? Yes No Depth (inches):				
Water Table Present? Yes No Depth (inches): _		land Hydrology Pre	sent? Yes O	No (•)
Saturation Present? (includes capillary fringe) Yes No Depth (inches):		iand Hydrology Fre	sent? 163 C 1	NO
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	, previous inspections	s), if available:		
	•			
Remarks:				
Reliality.				

Indicator Status Number of Dominant Species That are OBL, FACW, or FAC:
Number of Dominant Species 0 (A) Total Number of Dominant 2 (B) Percent of dominant Species 2 (B) Percent of dominant Species 0 (A/B) Prevalence Index worksheet: 0 0.0% (A/B) Prevalence Index worksheet: 0 X 1 = 0 0 FACW species 0 X 2 = 0 0 FACW species 0 X 3 = 0 0 FACU species 0 X 3 = 0 0 FACU species 0 X 5 = 0 0 DUPL species 0 X 5 = 0 0 Column Totals: 75 (A) 300 (B) Prevalence Index = B/A = 4.000 4.000 Hydrophytic Vegetation Indicators: DIA Prevalence Index is > 50% 3 - Prevalence Index is ≤ 3.0 1
That are OBL, FACW, or FAC: 0 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 75 x 4 = 300 UPL species 0 x 5 = 0 Col umn Total s: 75 (A) 300 (B) Prevalence Index = B/A = 4.000 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤3.0 ¹
Total Number of Dominant Species Across All Strata:
Species Across All Strata: 2 (B)
Percent of dominant Species That Are OBL, FACW, or FAC: Description
That Are OBL, FACW, or FAC:
Prevalence Index worksheet: Total % Cover of: Multiply by:
Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 75 x 4 = 300 UPL species 0 x 5 = 0 Col umn Total s: 75 (A) 300 (B) Prevalence Index = B/A = 4.000 Hydrophytic Vegetation Indicators: □ 1 - Rapid Test for Hydrophytic Vegetation □ 2 - Dominance Test is > 50% □ 3 - Prevalence Index is ≤ 3.0 ¹
Ver OBL speciles 0 x 1 = 0 FACW speciles 0 x 2 = 0 FAC speciles 0 x 3 = 0 FACU speciles 75 x 4 = 300 UPL speciles 0 x 5 = 0 Column Totals: 75 (A) 300 (B) Prevalence Index = B/A = 4.000 4.000 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation Ver 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤3.0 ¹
FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 75 x 4 = 300 UPL species 0 x 5 = 0 Col umn Total s: 75 (A) 300 (B) Prevalence Index = B/A = 4.000 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤ 3.0 ¹
FAC species 0 x 3 = 0 FACU species 75 x 4 = 300 UPL species 0 x 5 = 0 Col umn Total s: 75 (A) 300 (B) Prevalence Index = B/A = 4.000 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤3.0 ¹
FACU species 75 x 4 = 300 UPL species 0 x 5 = 0 Col umn Totals: 75 (A) 300 (B) Prevalence Index = B/A = 4.000 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤ 3.0 ¹
UPL species 0 x 5 = 0 Col umn Total s: 75 (A) 300 (B) Prevalence Index = B/A = 4.000 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤ 3.0 ¹
Col umn Total s:
Prevalence Index = B/A = 4.000 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤3.0 ¹
Prevalence Index = B/A = 4.000 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤3.0 ¹
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤ 3.0 ¹
1 - Rapid Test for Hydrophytic Vegetation ver
ver
2 - Dominance Test is > 50% 3 - Prevalence Index is ≤3.0 ¹
3 - Prevalence Index is ≤3.0 ¹
Floblematic Hydrophlytic vegetation (Exblain)
1 Indicators of hydric soil and wetland hydrology must
be present, unless disturbed or problematic.
Definition of Vegetation Strata:
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 (DBH).
Sapling - Woody plants, excluding woody vines,
6 FACU approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
5 FACU
Sapling/Shrub - Woody plants, excluding vines, less
than 3 in. DBH and greater than 3.28 ft (1m) tall.
Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
approximately 3 to 20 ft (1 to 6 m) in neight.
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.
5 Cit (1 iii) iii iogii.
Moody vine All woody vines regardless of height
Woody vine - All woody vines, regardless of height.
Woody vine - All woody vines, regardless of height.
Woody vine - All woody vines, regardless of height.
Woody vine - All woody vines, regardless of height.
Woody vine - All woody vines, regardless of height.
Woody vine - All woody vines, regardless of height.
6

Profile Description: (Describe to the de	oth needed to document	the indicato	or or co	nfirm the a	absence of indicators.)
DepthMatrix	Rec	dox Features	5 1		
(inches) Color (moist) %	Color (moist)	<u>%</u>]	Tvpe 1	Loc2	Texture Remarks
0-9 10YR 4/2 100					Clay Loam
9-20 10YR 2/1 90	10YR 3/6	10	С	M	Clay Loam
					,
1. True C. Comparison D. Douletter DM	Ondered Matrix CC Covers				tion Di Dona Linion M Matrix
1 Type: C=Concentration. D=Depletion. RM=	Reduced Matrix, CS=Covere	ed or Coated S	and Gra	ins ²Loca	tion: PL=Pore Lining. M=Matrix
Hydric Soil Indicators:			-> /		Indicators for Problematic Hydric Soils 3:
Histosol (A1)	Polyvalue Belo				1 cm Muck (A9) (LRR O)
Histic Epipedon (A2)	Thin Dark Sur)	2 cm Muck (A10) (LRR S)
Black Histic (A3)	Loamy Mucky		(LRR O)		Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)	Loamy Gleyed				Piedmont Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)	Depleted Matr				Anomalous Bright Loamy Soils (F20) (MLRA 153B)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark Si				Red Parent Material (TF2)
5 cm Mucky Mineral (A7) (LRR P, T, U)	Depleted Dark				Very Shallow Dark Surface (TF12)
Muck Presence (A8) (LRR U)	Redox Depres				Other (Explain in Remarks)
1 cm Muck (A9) (LRR P, T)	☐ Marl (F10) (LF				
Depleted Below Dark Surface (A11)	Depleted Ochr	ric (F11) (MLR	PA 151)		
Thick Dark Surface (A12)	☐ Iron-Mangane	ese Masses (F1	12) (LRR	O, P, T)	
Coast Prairie Redox (A16) (MLRA 150A)	Umbric Surfac	e (F13) (LRR	P, T, U)		
Sandy Muck Mineral (S1) (LRR O, S)	Delta Ochric (F17) (MLRA 1	51)		3
Sandy Gleyed Matrix (S4)	Reduced Verti	ic (F18) (MLRA	A 150A,	150B)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present,
Sandy Redox (S5)	☐ Piedmont Floo	odplain Soils (F	19) (ML	.RA 149A)	unless disturbed or problematic.
Stripped Matrix (S6)	Anomalous Br	ight Loamy So	oils (F20)	(MLRA 149	9A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)					
Restrictive Layer (if observed):					
• •					
Type:		_			Hydric Soil Present? Yes No
Depth (inches):					103 0 140 0
Remarks:					

APPENDIX B — PHOTOGRAPHS

Routine Wetland Delineation Appendices



Photo 1: Sample Plot 1



Photo 2: Sample Plot 1, facing south



Photo 3: Sample Plot 1, facing west



Photo 4: Sample Plot 2



Photo 5: Sample Plot 2, facing east



Photo 6: Sample Plot 2, facing south



Photo 7: Sample Plot 3



Photo 8: Sample Plot 3, facing north



Photo 9: Sample Plot 3, facing east



Photo 10: Sample Plot 4



Photo 11: Sample Plot 4, facing south



Photo 12: Sample Plot 4, facing west



Photo 13: Sample Plot 5



Photo 14: Sample Plot 5, facing north



Photo 15: Sample Plot 5, facing east



Photo 16: Sample Plot 6



Photo 17: Sample Plot 6, facing east



Photo 18: Sample Plot 6, facing east



Photo 19: Sample Plot 7



Photo 20: Sample Plot 7, facing east



Photo 21: Sample Plot 7, facing south

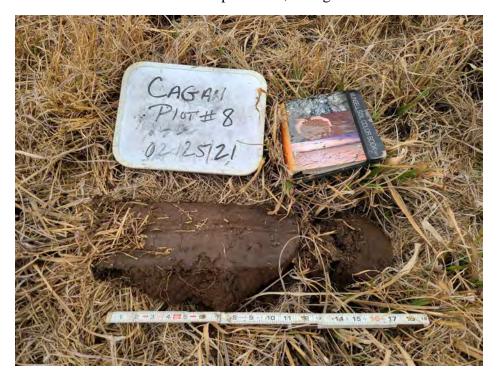


Photo 22: Sample Plot 8



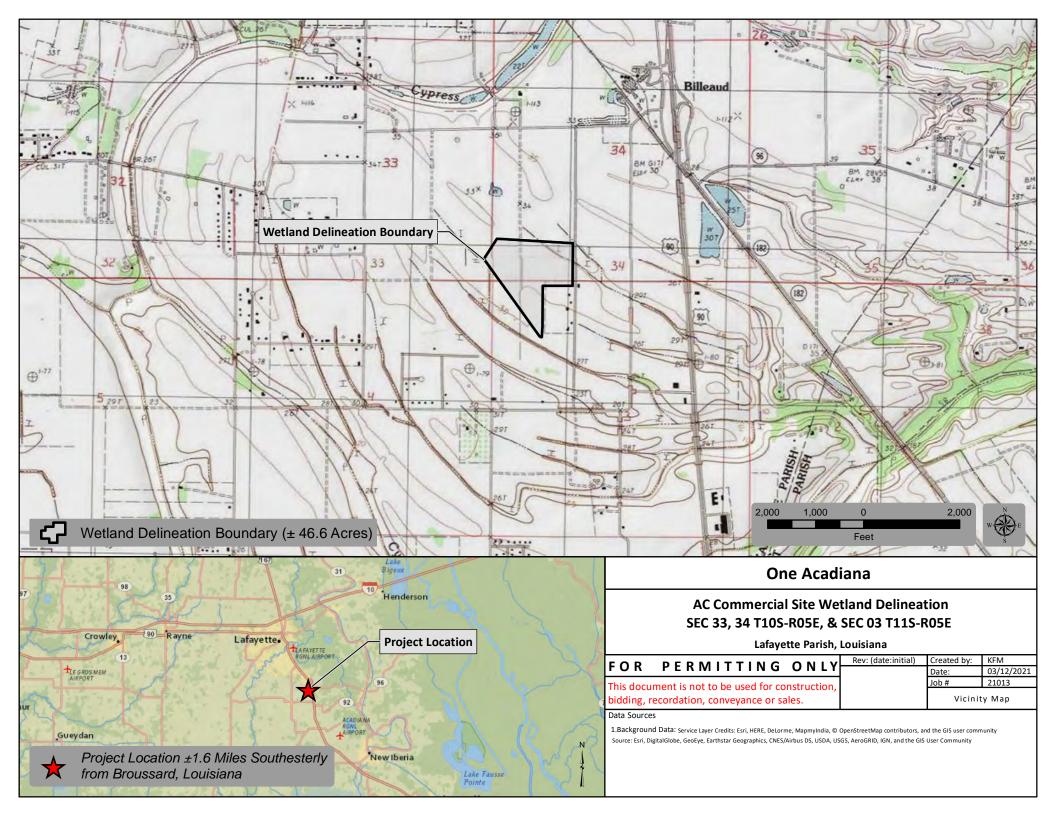
Photo 23: Sample Plot 8, facing north

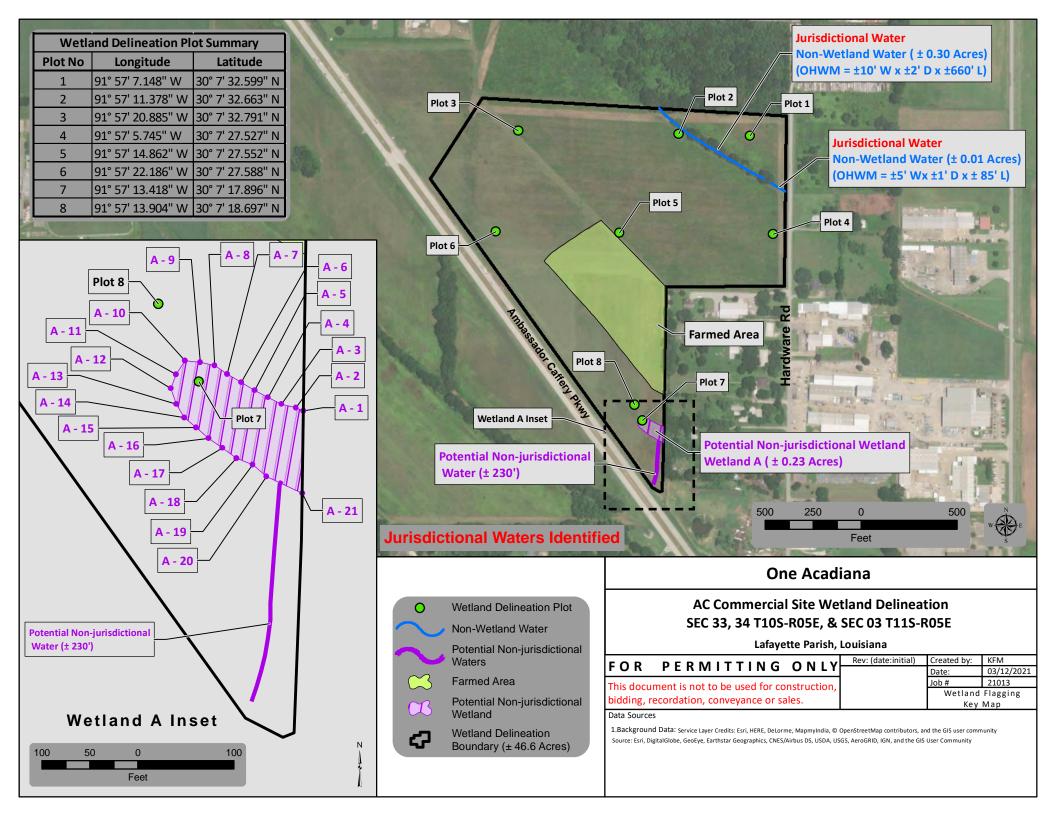


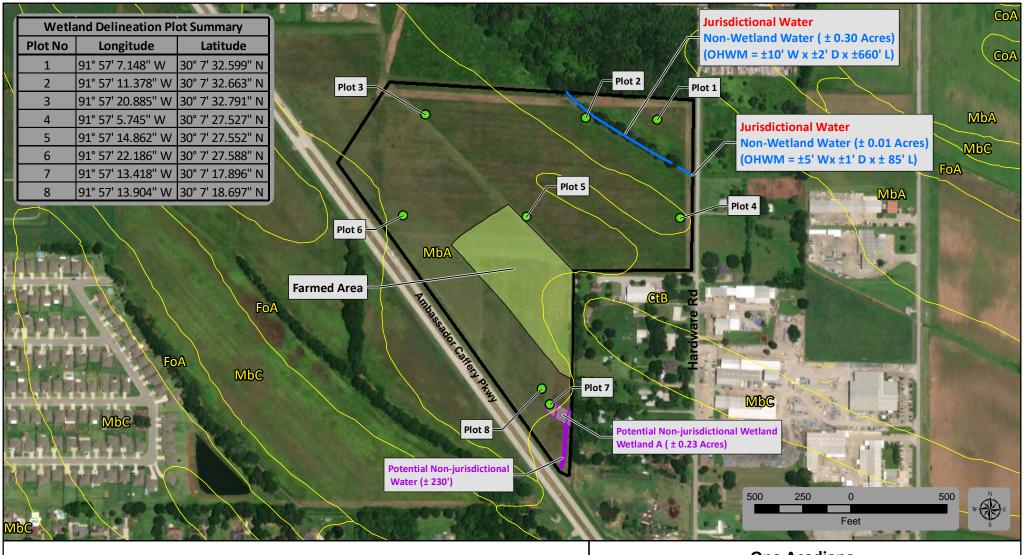
Photo 24: Sample Plot 8, facing east

APPENDIX C - MAPS

Routine Wetland Delineation Appendices







Lafayette Parish Soils

Soil Symbol : Soil Name : Hydric Soil %

CoA:Coteau silt loam, 0 to 1 percent slopes:10

CtB:Coteau-Frost complex, gently undulating:35

FoA:Frost silt loam:85

MbA:Memphis silt loam, 0 to 1 percent slopes:5

MbC:Memphis silt loam, 1 to 5 percent slopes:0

Jurisdictional Waters Identified

O Wetland Delineation Plot

Lafayette Parish Soils

Potential Non-jurisdictional Waters

Non-Wetland Water

Non-welland water

Farmed Area

Potential Non-jurisdictional Wetland

Wetland Delineation Boundary (± 46.6 Acres)

One Acadiana

AC Commercial Site Wetland Delineation SEC 33, 34 T10S-R05E, & SEC 03 T11S-R05E

Lafayette Parish, Louisiana

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Data Sources

1.Background Data: Service Layer Credits: Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community Source: Esri, DigitalGlobe, GeoSye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community (Aerial Date 2019) 2. Soil Data - Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture.
Soil Survey Geographic (SSURGO) Database for [Lafayette Parish, Louisiana]. Available online.



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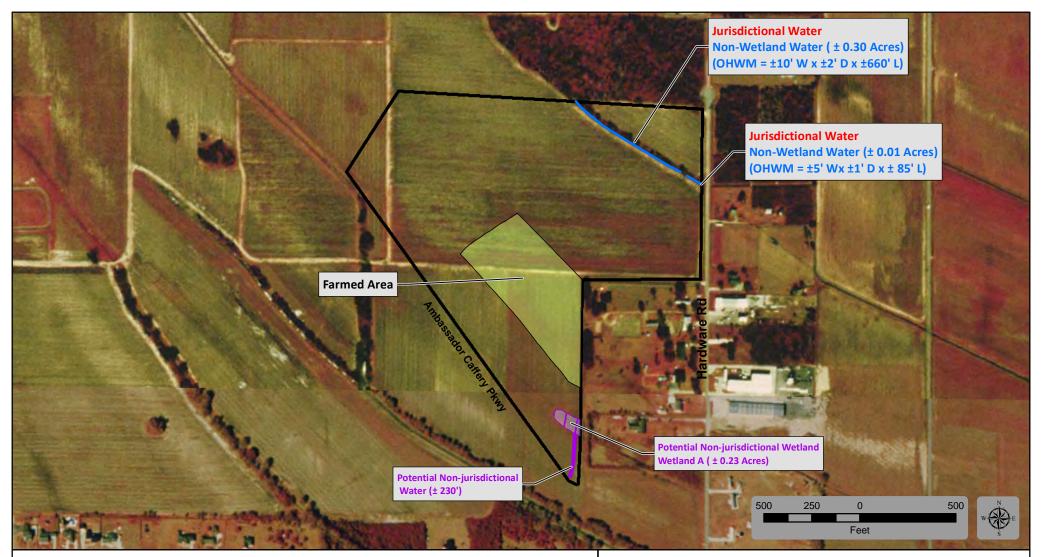
Lafayette Parish, Louisiana

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Wetland Delineation Boundary (± 46.6 Acres)



Jurisdictional Waters Identified



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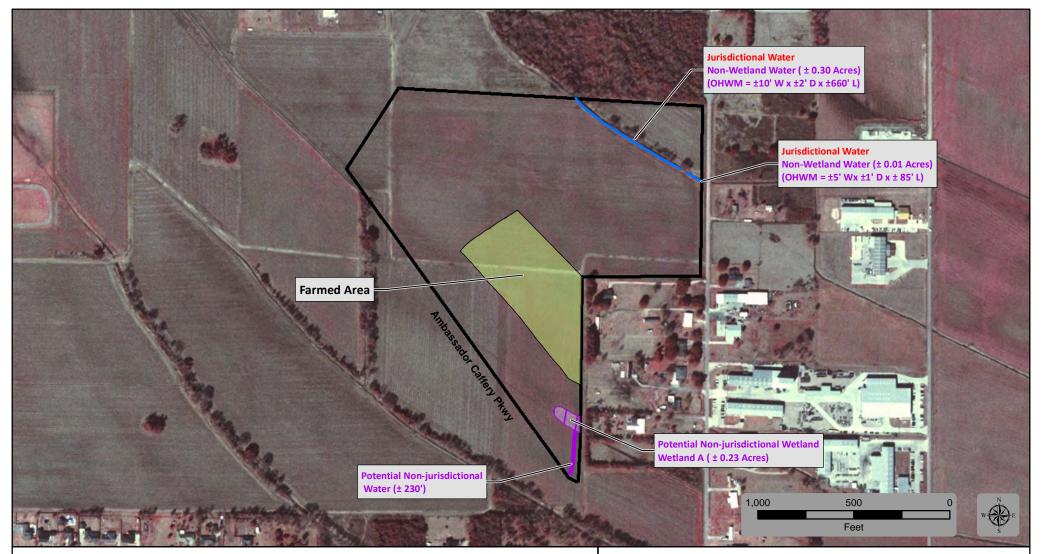
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Lafayette Parish, Louisiana

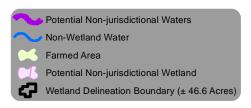
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Wetland Delineation Boundary (± 46.6 Acres)



Jurisdictional Waters Identified



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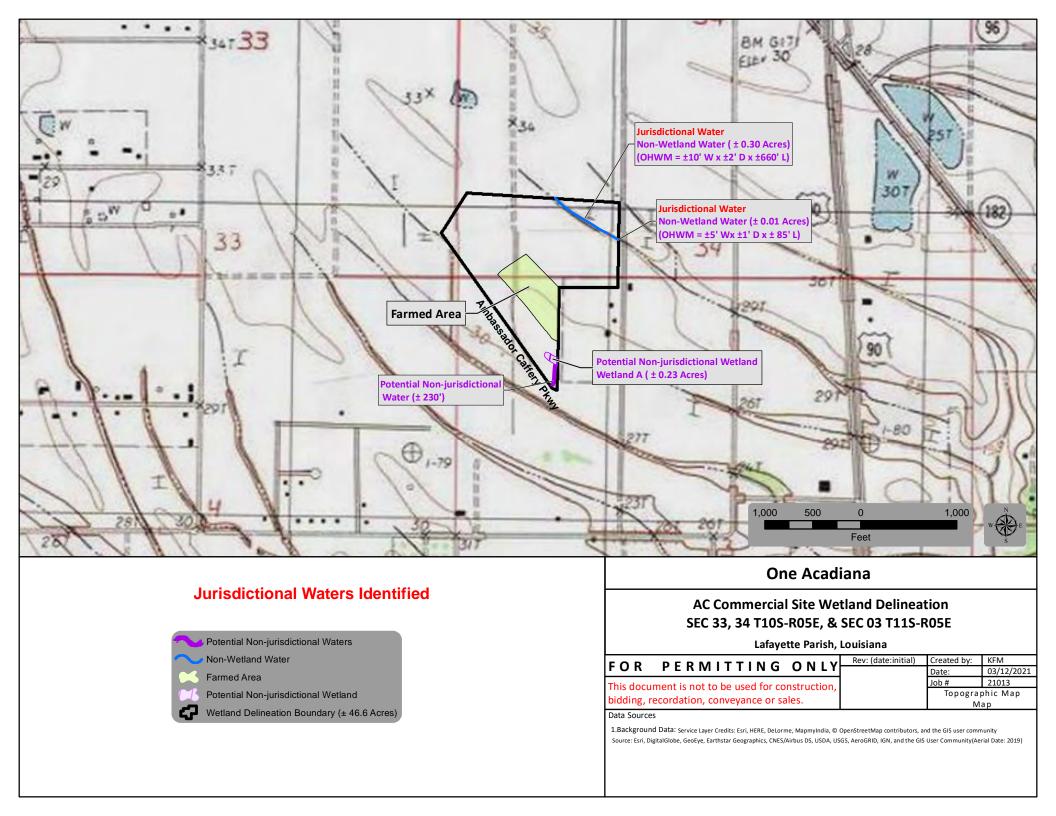
Lafayette Parish, Louisiana

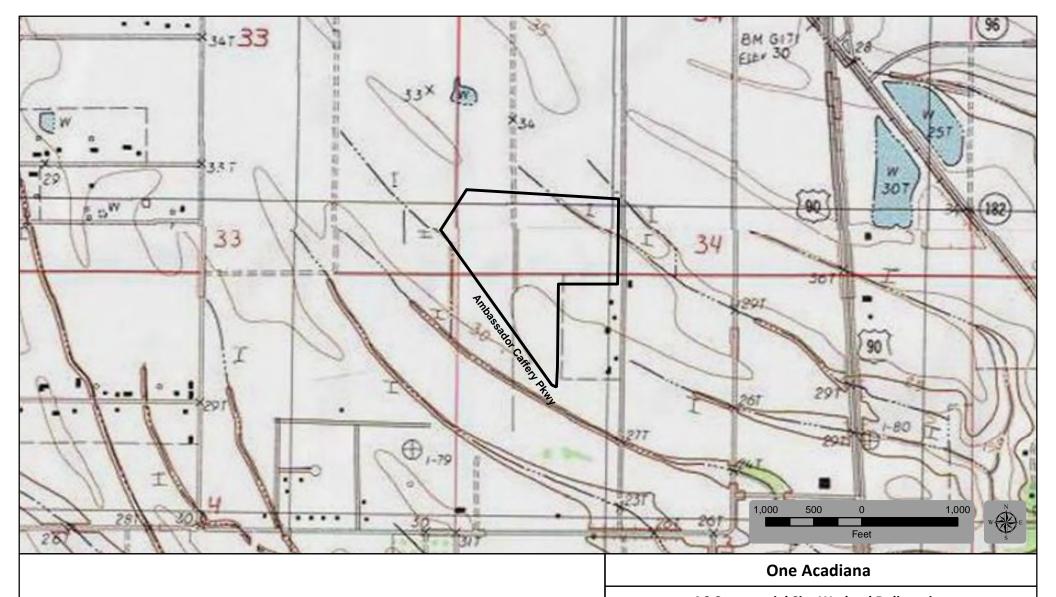
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Wetland Delineation Boundary (± 46.6 Acres)





Wetland Delineation Boundary (± 46.6 Acres)

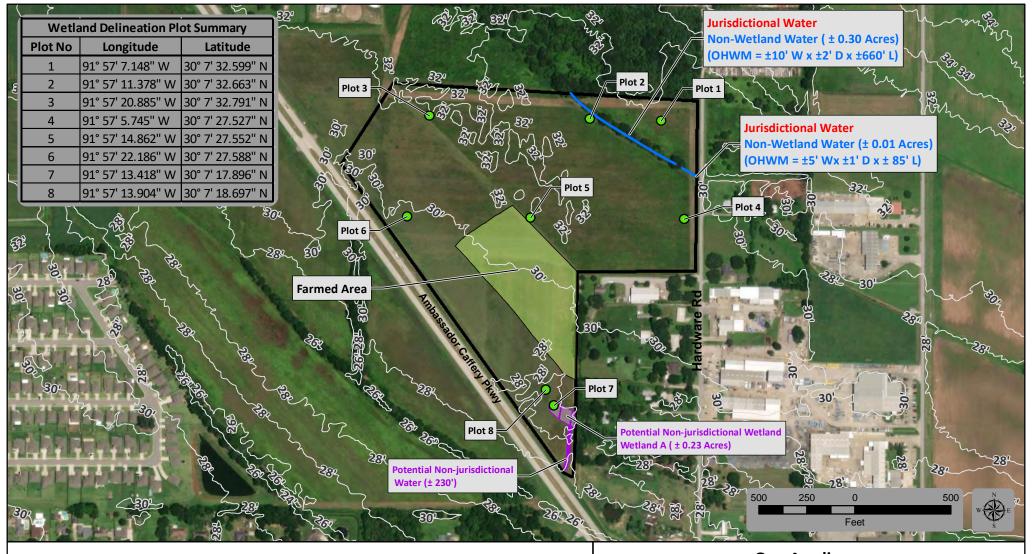
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Lafayette Parish Soils

Soil Symbol : Soil Name : Hydric Soil %

CoA:Coteau silt loam, 0 to 1 percent slopes:10

CtB:Coteau-Frost complex, gently undulating:35

FoA:Frost silt loam:85

MbA:Memphis silt loam, 0 to 1 percent slopes:5

MbC:Memphis silt loam, 1 to 5 percent slopes:0

Jurisdictional Waters Identified

Wetland Delineation Plot

2' Elevation LIDAR Contours

Potential Non-jurisdictional Waters

Non-Wetland Water

Farmed Area

Potential Non-jurisdictional Wetland

Wetland Delineation Boundary (± 46.6 Acres)

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Lafayette Parish, Louisiana

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Soil Survey Geographic (SSURGO) Database for [Lafayette Parish, Louisiana]. Available online.



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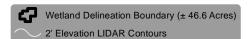
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Lafayette Parish, Louisiana

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