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Verdi Adam, P.E., President
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June 26, 2014

U.S. Department of the Army Corps of Engineers, New Orleans District Operations Division Surveillance and Enforcement Section P.O. Box 60267 New Orleans, LA 70160-0267

ATTN: Mr. Rob Heffner

Exhibit DD. Schexnayder Site Wetlands Delineation Report & Transmittal Letter

RE: Preliminary Jurisdictional Determination

Schexnayder 1000-Acre Wetland Delineation Ascension Parish, Donaldsonville, Louisiana

Dear Mr. Heffner:

G.E.C., Inc. (GEC) recent conducted a wetland delineation on 1000 acres located between LA Hwy 18 and LA Hwy 70 at the intersection with LA Hwy. 3089 in Ascension Parish, Donaldsonville, Louisiana on behalf of the Baton Rouge Area Chamber (BRAC). The northern portion of the property is currently in agriculture row crops with the extreme southern portion being forested.

Field surveys of the property were conducted during June 2014. The data gathered and a map of wetlands identified during these field surveys is provided in the enclosed report. With the submittal of this wetland delineation, GEC is requesting a **Preliminary Jurisdictional Determination** for the wetlands identified on the property. Please direct your official written correspondence to the following address:

Mr. Barry McCoy 8282 Goodwood Blvd. Baton Rouge, Louisiana 70806

Thank you for your assistance with this matter. If I can be of any assistance during your review, or if you would like to arrange a meeting at the site, please do not hesitate to contact me at (225) 612-4174.

Sincerely,

Barry McCoy

Senior Wetland Scientist

Enclosures

WETLAND DELINEATION REPORT PROJECT ID. 213084.20.002 1,000-ACRE SCHEXNAYDER SITE ASCENSION PARISH, DONALDSONVILLE, LOUISIANA

Prepared for



Prepared by



WETLAND DELINEATION REPORT PROJECT ID. 213084.20.002 1,000-ACRE SCHEXNAYDER SITE ASCENSION PARISH, DONALDSONVILLE, LOUISIANA

GEC Project Number: 0013.2122014.006



8282 Goodwood Boulevard Baton Rouge, Louisiana 70806 Phone – 225/612-3000

1,000-ACRE SITE
ASCENSION PARISH,
DONALDSONVILLE, LOUISIANA

July 31, 2014

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WETLAND DELINEATION REPORT

WETLAND DELINEATION REPORT 1,000-ACRE SCHEXNAYDER SITE ASCENSION PARISH, DONALDSONVILLE, LOUISIANA

INTRODUCTION

G.E.C., Inc. (GEC) recently conducted a wetland delineation on a 1,000-acre site for Baton Rouge Area Chamber in Ascension Parish, Louisiana (Figure 1). The project area consists of active agriculture fields, hardwood forests, agriculture ditches, and bayous (Figure 2). The property fronts the Mississippi River between river miles 173 and 174. Highways 18 and 3089 traverse through the property at the north end and Louisiana Highway 70 traverses along the eastern side of the property with two forested tracts situated on the east side of Highway 70. The purpose of this delineation was to determine the wetland boundaries within the approximately 1,000-acre site.

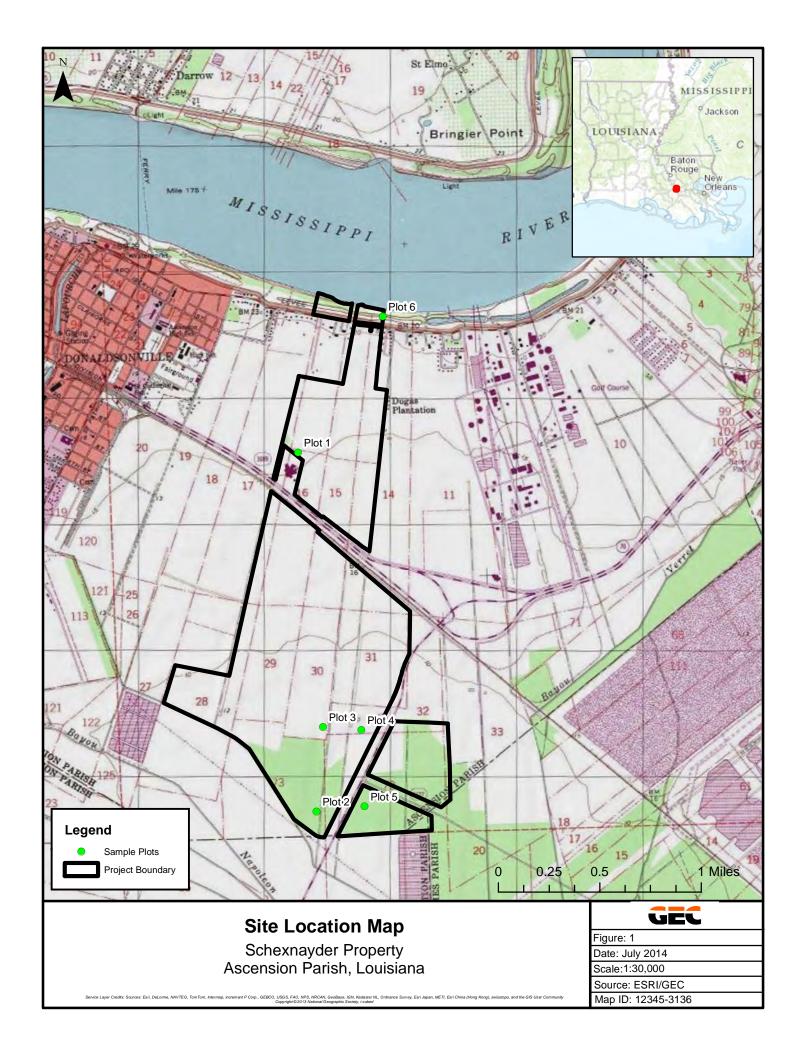
METHODOLOGY

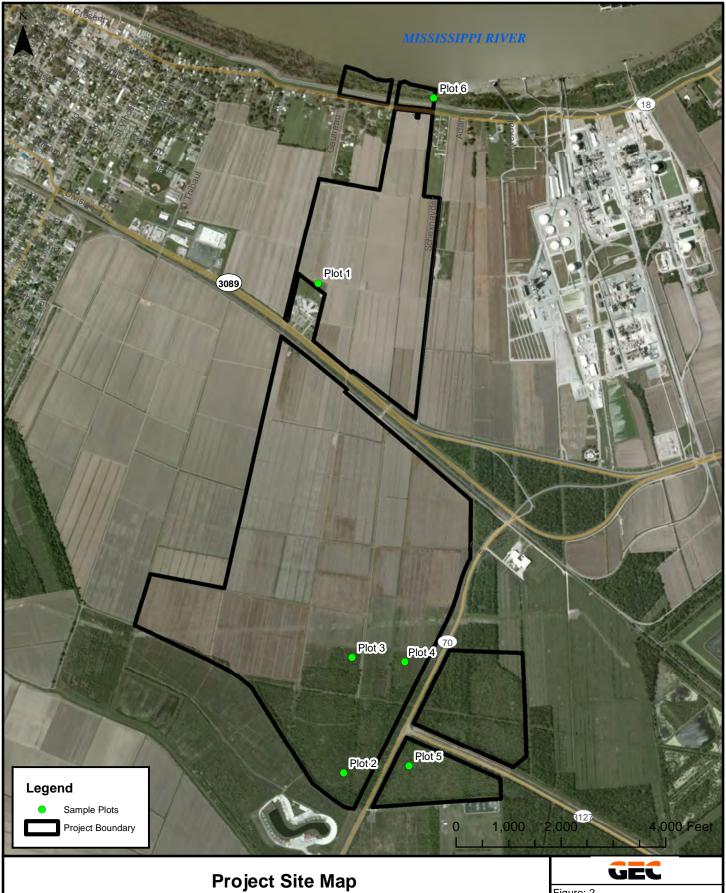
GEC conducted the wetland delineation in accordance with Section D, Subsection 2 of Technical Report Y-87-1, Corps of Engineers Wetlands Delineation Manual as well as the Atlantic and Gulf Coastal Plains Regional Supplement. Aerial photography, Natural Resources Conservation Service (NRCS) Ascension Parish soil survey map, and U.S. Geological Survey (USGS) topographic quadrangle maps were reviewed prior to the initiation of field work to identify the potential extent of wetlands present on the subject property.

Routine Wetland Delineation Data Forms (Appendix A), as approved by Headquarters, U.S. Army Corps of Engineers (USACE) 10/08, were completed for various vegetative communities encountered within the project area. These data forms contain sufficient information regarding the presence or absence of hydric soils, hydrophytic vegetation, and wetland hydrology, to support the demarcation of a wetland boundary. The location of each sample plot along with mapped wetlands and other waters are shown in Figure 3. Figure 4 provides the same information but without the aerial background for a black and white reproducible figure.

Dominant vegetation was recorded on the data forms along with the indicator status as listed in the *National List of Plant Species Occurring in Wetlands (Region 2)* released by USACE in May 2012 (Release no. 12-005). Once dominant vegetation was recorded and evaluated, if more than 50 percent of the dominant vegetation had an indicator status of FAC, FACW, or OBL or the **prevalence index was \leq 3.0, the hydrophytic vegetation criterion was met.**

A soil pit was excavated to a depth of approximately 18 inches at each sample plot. The pit remained open for at least 15 minutes to allow the pit to fill with water, if present. Soils were sampled along the exposed stratum. Information recorded on the data forms included soil colors (hue, value, and chroma as per the 1992 revised edition of the Munsell Color Chart), size, color, abundance, and depth of mottles, as well as soil texture. Soil texture was determined using the "texture by feel" analysis. Figure 5 depicts the soils mapped by the NRCS within the project area.

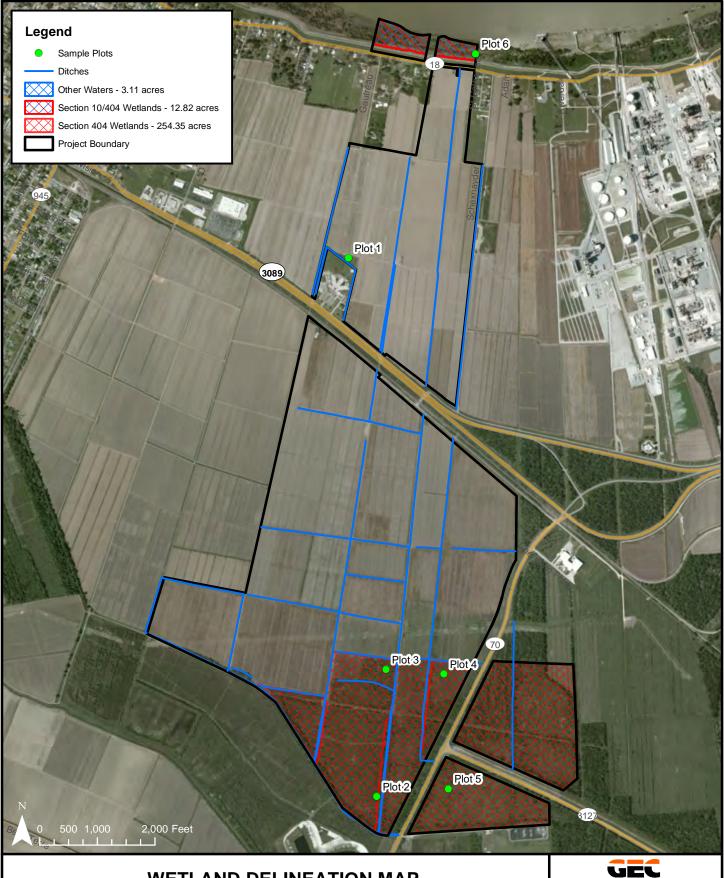




Schexnayder Property Ascension Parish, Louisiana

Figure: 2 Date: July 2014 Scale:1:22,000

Source: ESRI/GEC Map ID: 12345-3136



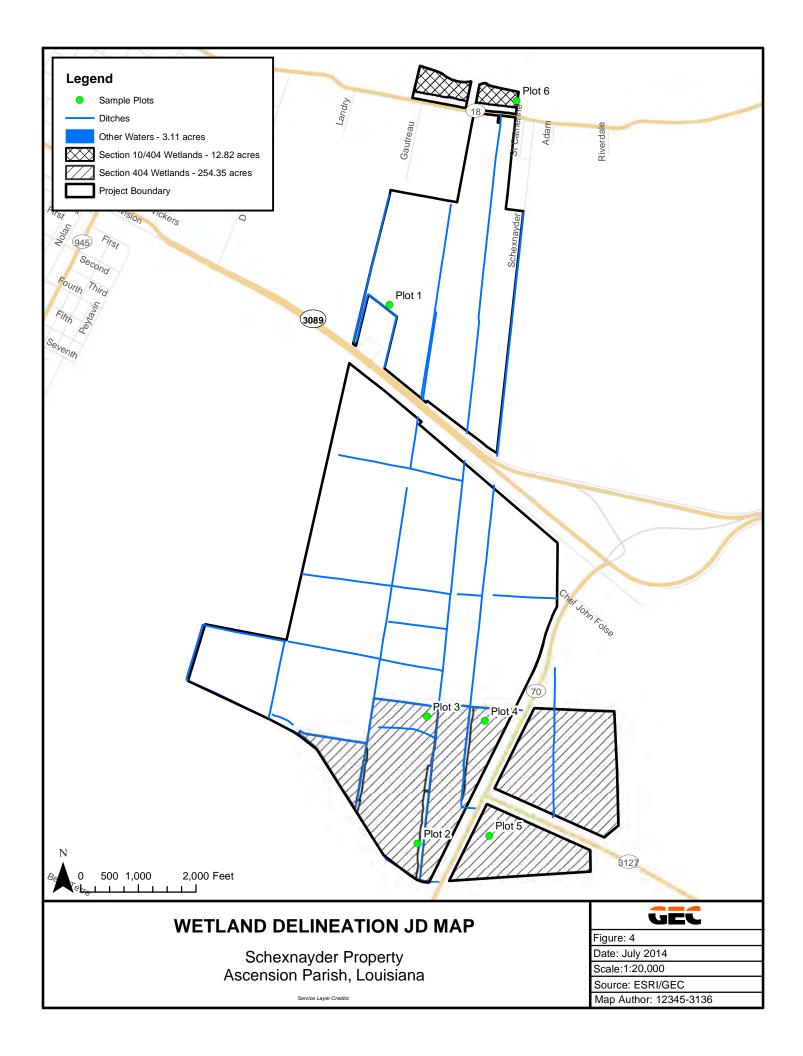
WETLAND DELINEATION MAP

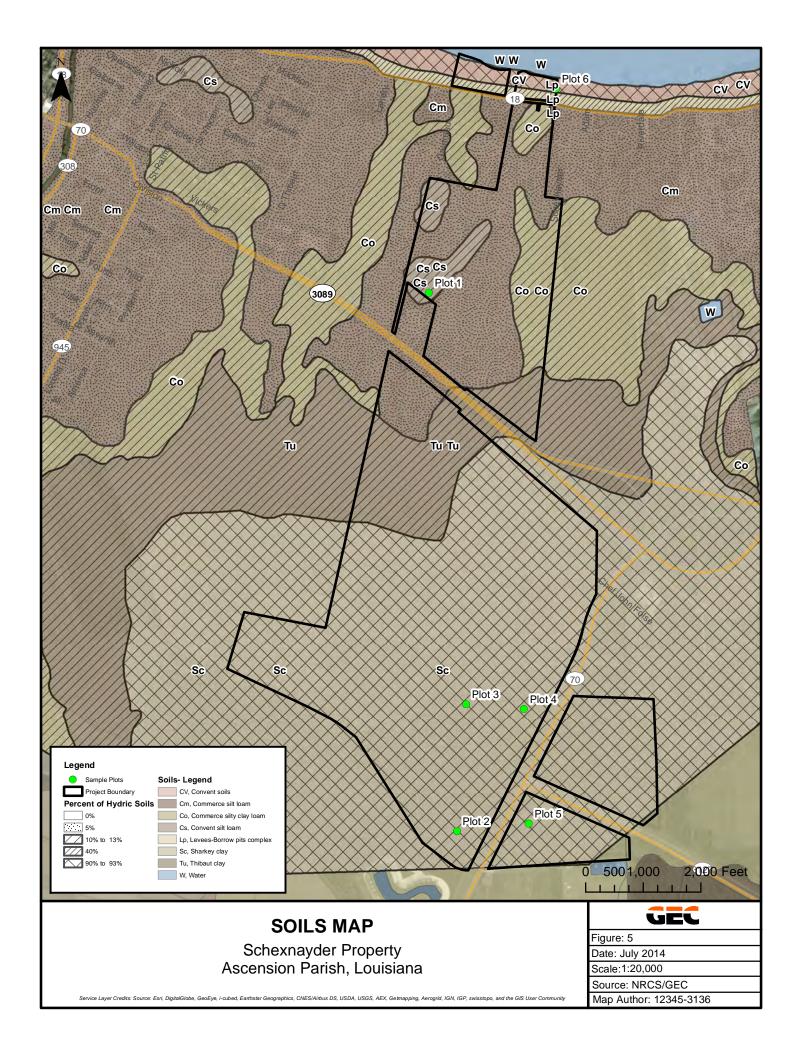
Schexnayder Property Ascension Parish, Louisiana

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure: 3 Date: July 2014 Scale:1:20,000 Source: ESRI/GEC

Map Author: 12345-3136





Wetland hydrology indicators were also recorded at each sample plot as per the USACE requirements. If at least one primary or two secondary hydrology indicators were present, the sample plot was classified as having wetland hydrology.

Photographs were taken at each sample plot where a data form was completed. These photographs show a representative soil profile, as well as overviews of the sample plots (Appendix B).

RESULTS

The following subsections provide descriptions of each of the sites identified during the field survey. Descriptions of vegetation, soil characteristics, and hydrology indicators at each sample plot recorded are provided.

<u>Sample Plot - 1:</u> Sample Plot 1 is located within the northern portion of the property in a maintained field situated adjacent to the agriculture fields (Figure 3). The dominant herbaceous species observed within this sample plot is Common Bermuda grass (*Cynodon dactylon*). Other herbaceous vegetation recorded within the plot included white clover (*Trifolium repens*), Johnson grass (*Sorghum halepense*), Brazilian vervain (*Verbena brasiliensis*), and common morning-glory (*Ipomoea purpurea*), but with less abundance. The hydrophytic vegetation criterion is not met within this sample plot.

The soils within this sample plot are mapped as Convent silt loam. This series is listed on the National and the Louisiana Hydric Soils lists. Field investigations determined that the soils exhibited hydric soil indicators for a depleted matrix. Primary and secondary indicators of wetland hydrology were lacking from this sample plot. The wetland hydrology criterion is not met at this plot. It is GEC's opinion that this sample plot is not within a wetland, based on the lack of hydrophytic vegetation and wetland hydrology (see Data Form Plot - 1).

Sample Plot - 2: Sample Plot 2 is located in the very southern portion of the property within a hardwood forest. This habitat consists of black willow (Salix nigra) and sugarberry (Celtis laevigata) as the dominant tree species with some scattered American elms (Ulmus americana). The sapling/shrub stratum is dominated by black will and American elder (Sambucus canadensis) with less abundant occurrences of box elder (Acer negundo), Drummond red maple (Acer rubrum var. drummondii), laurel oak (Quercus laurifolia), dwarf palmetto (Sabal minor), and American elm. Dominant herbaceous species include lizard's tail (Saururus cernuus), and bayou violet (Viola langloisil). The woody vine stratum consists of dominants such as poison ivy (Toxicodendron radicans), Virginia creeper (Parthenocissus quinquefolia), and trumpet creeper (Campsis radicans). Scattered occurrences of Louisiana blackberry (Rubus louisianus) were also observed and recorded within this sample plot. The hydrophytic vegetation criterion is met within this sample plot.

The soils within this sample plot are mapped as Sharkey clay. This series is listed on the National and the Louisiana Hydric Soils lists. Field observations concluded that the hydric soils criterion is met within this plot based on the presence of hydric soil indicators for a depleted matrix. Primary indicators of hydrology recorded at this sample plot include water marks (B1) and water-stained leaves (B9). The only secondary indicator recorded was a positive

FAC-Neutral test (D5). It is GEC's opinion that this sample plot is within a wetland, based on the presence of all three wetland parameters (see Data Form Plot - 2).

<u>Sample Plot - 3:</u> Sample Plot 3 is also located within the southern portion of the property in a young (8-10 year old) forested habitat. This habitat is dominated by box elder in the sapling/shrub stratum with less abundant occurrences of stiff dogwood (*Cornus foemina*), American elm, sugarberry, and American elder. The herbaceous stratum consists of poison ivy and Japanese climbing fern (*Lygodium japonicaum*) as the dominants with scattered occurrences of small-spike false nettle (*Boehmeria cylindrica*) and Carolina coral-beads (*Cocculus carolinus*). The dominant woody vines are trumpet creeper, poison ivy, and Virginia creeper. The hydrophytic vegetation criterion is met within this sample plot.

The soils within this sample plot are mapped as Sharkey clay. This series is listed on the National and the Louisiana Hydric Soils lists. Field observations concluded that the hydric soils criterion is met within this plot based on the presence of hydric soil indicators for a depleted matrix. Primary hydrology indicators included water-stained leaves only. However, crayfish burrows (C8), Saturation visible on aerial photography (C9), geomorphic position (D2), and a positive FAC-Neutral test (D5) were all secondary indicators of hydrology recorded at the sample plot. It is GEC's opinion that this sample plot is within a wetland, based on the presence of hydrophytic vegetation, hydric soils and wetland hydrology within the plot (see Data Form Plot - 3).

<u>Sample Plot - 4:</u> Sample Plot 4 is located within a abandon agriculture field which contains scattered sapling species. The dominant sapling/shrub species include stiff dogwood and boxelder. Other less abundant sapling/shrub species include green ash (*Fraxinus pennsylvanica*), Drummond red maple, and American elm. Dominant herbaceous vegetation within this habitat includes Canada goldenrod and calico aster (*Symphyotrichum lateriflorum*). Saltmarsh loosestrife (*Lythrum lineare*) was also recorded within the plot but less abundant. Southern dewberry (*Rubus trivialis*) and peppervine (*Ampelopsis arborea*) are the dominant woody vine species at the plot with scattered occurrences of serrate-leaf blackberry (*Rubus agutus*). The hydrophytic vegetation criterion is met within this sample plot.

The soils within this sample plot are mapped as Sharkey clay. This series is listed on the National and the Louisiana Hydric Soils lists. Field observations concluded that the hydric soils criterion is met within this plot based on the presence of hydric soil indicators for a depleted matrix. Primary hydrology indicators include surface water (A1), high water table (A2), saturation (A3), and water-stained leaves (B9). The surface water was approximately one inch in depth, which was possibly attributed to a thunderstorm the previous afternoon. The water table was at 12 inches and the saturation was within the top two inches of the surface. In addition, crayfish burrow (C8), geomorphic position (D2), and a positive FAC-Neutral test were observed and recorded as secondary hydrology indicators within the plot. The wetland hydrology criterion is met at this plot. It is GEC's opinion that this sample plot is within a wetland, based on the presence of hydrophytic vegetation, hydric soils and wetland hydrology indicators within the plot (see Data Form Plot - 4).

<u>Sample Plot - 5:</u> Sample Plot 5 is located in the far southeast tract of the property along the east side of LA Highway 70 within a forested habitat (Figure 3). This habitat is dominated by sugarberry, laurel oak, box elder, and Drummond red maple. Dominant species within the

sapling/shrub stratum include giant cane (*Arundinaria gigantea*) and dwarf palmetto. Other species recorded in this stratum but with less abundance are Drummond red maple, common buttonbush (*Cephalanthus occidentalis*), pumpkin ash (*Fraxinus profunda*), and deciduous holly (*Ilex decidua*). The herbaceous stratum was dominated by two smartweeds, *Polygonum setaceum* and *Polygonum hydropiperoides*, **and lizard's tail.** Dominant woody vines include Virginia creeper and saw greenbrier (*Smilax bona-nox*). The hydrophytic vegetation criterion is met within this sample plot.

The soils within this sample plot are mapped as Sharkey clay. This series is listed on the National and the Louisiana Hydric Soils lists. Field observations concluded that the hydric soils criterion is met within this plot based on the presence of hydric soil indicators for a depleted matrix. Primary wetland hydrology indicators include surface water (A1), high water table (A2), saturation (A3), water marks (B1), drift deposits (B3), and water-stained leaves (B9). Secondary wetland hydrology indicators observed and recorded were crayfish burrows (C8), geomorphic position (D2), and a positive FAC-Neutral test (D9). The wetland hydrology criterion is met at this plot. It is GEC's opinion that this sample plot is within a wetland, based on the presence of hydrophytic vegetation, hydric soils and wetland hydrology within the plot (see Data Form Plot - 5).

<u>Sample Plot - 6:</u> Sample Plot 6 is located within the batture land between the protective levee and the Mississippi River. The plot was located within an herbaceous habitat along the toe of the levee. This habitat has scattered occurrences of black willow and eastern swamp privet (*Foresteria acuminata*) as the dominant sapling/shrub species. The herbaceous stratum was dominated by alligator weed (*Alternanthera philoxeroides*) with scattered patches of swamp dock (*Rumex verticillatus*). The dominant woody vine is redvine (*Brunnichia cirrhosa*). Adjacent to the river the batture land was forested with black willow, eastern cottonwood (*Populus deltoides*), sugarberry, American sycamore (*Platanus occidentalis*), and pecan hickory (*Carya illinoinensis*). The hydrophytic vegetation criterion is met within this sample plot.

The soil series mapped at this plot is the Convent soils, frequently flooded. This series is listed on the National and the Louisiana Hydric Soils lists. Field observations concluded that the hydric soils criterion is met within this plot based on the presence of hydric soil indicators for a depleted matrix. Primary wetland hydrology indicators include water marks (B1), sediment deposits (B2), drift deposits (B3), inundation visible on aerial imagery (B7), water-stained leaves (B9) and oxidized rhizospheres on living roots (C3). The secondary wetland hydrology indicators observed and recorded were a positive FAC-Neutral test (D5) and geomorphic position (D2). The wetland hydrology criterion is met at this plot. It is GEC's opinion that this sample plot is within a wetland, based on the presence of hydrophytic vegetation, hydric soils and wetland hydrology within the plot (see Data Form Plot - 6).

CONCLUSIONS

Field investigations on the 1,000 acres were conducted on June 23, 24, 26, and July 9, 2014. The northern two-thirds of the property are currently in agriculture production of soybeans and sugarcane. Investigators were able to obtain cropping history data on the fields from the United States Department of Agriculture (USDA) Farm Services Agency (FSA) for the past five years. In addition, the USDA Natural Resource Conservation Service (NRCS) has designated these fields as either non-wetland fields or prior converted fields. Therefore, the agriculture

fields were mapped as non-wetland habitat for this delineation. Numerous agriculture drainage ditches traverse the property and have been mapped as other waters, which encompass 3.11 acres.

The southern one-third is hardwood forest or overgrown abandoned fields. Except for a few ridges along the larger canals, the majority of the forested habitat is designated as wetland habitat encompassing 254.35 acres. In addition, the two small tracts at the north end of the property between the Mississippi River and the protection levee has also been mapped as wetland habitat, which encompass 12.82 acres.

Although GEC uses the same criteria and methodology as that of the USACE, due to the degree of subjectivity associated with studies of this type, there may be some degree of variance in the demarcation of the wetland boundary. Consequently, GEC's opinion may not necessarily reflect that of the USACE, nor does it relieve our client of any legal obligations to verify the wetland findings, consult with the USACE, and possibly obtain a Department of the Army permit prior to performing any dredging, filling and/or construction operations in Waters of the United States, including wetlands.

Appendix A DATA FORMS

Project/Site: 1000-Acre Schexnayder Property	City/County: Ascension Sampling Date: Jun 23, 2014
Applicant/Owner: Harold Schexnayder	State: Louisiana Sampling Point: 1
Investigator(s): B. McCoy, Q. Daigre	Section, Township, Range: Section 30, T-11-S, R-15-E
Landform (hillslope, terrace, etc.) Maintained Field Lo	
Subregion (LRR or MLRA): LRR O Lat: 30°5'33.3	"N Long: 90°58'26.1" W Datum: NAD 83
Soil Map Unit Name: Convent silt loam	NWI Classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation , Soil , or Hydrology significantly disturbed	
Are Vegetation, Soil, or Hydrology naturally problematic	
	(
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No _X_	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes NoX
Wetland Hydrology Present? Yes No _X	
Remarks:	·
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B1:	Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide C Water Marks (B1) Oxidized Rhizosph	Odor (C1) Moss Trim Lines (B16) eres on Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduc	ed Iron (C4) Crayfish Burrows (C8)
	tion in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface Iron Deposits (B5) Other (Explain in R	
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 X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X
Saturation Present? Yes No X Depth (inches):	Netidital Hydrology 1 resent: 165 Ne
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:
Remarks:	
Remarks.	
1	

EGETATION (Four Strata) - Use scientific names					ا	oling Point		
				Dominance Test v	vorksheet	:		
		Dominant Species?	Indicator Status	Number of Domir That Are OBL, FA			0	(A)
·				Total Number of I Species Across A			1	(B)
·				Percent of Domin That Are OBL, FA			0	(A/B
				Prevalence Index				
<u>-</u>	0			Total % Cove		Multip		
50 % of total cover:0	20 % 0	f total cover:	0	OBL species	0	x 1 =	0	_
and in a / Charach Charter / Diet ains				FACW species	0	X 2 =	0	_
apling/Shrub Stratum (Plot size:)				FAC species	15	X 3 =	45	_
				FACU species	120	X 4 =	480	_
				UPL species	0	X 5 =	0	_
				Column Totals:		(A)	525	_ (E
				Preva	lence Inde	x = B/A =	3.89	
				Hydrophytic Veget	ation Indi	cators:		
				1 – Rapid Test			tation	
		= Total Cove		2 – Dominance		-		
50 % of total cover: 0	20 % o	f total cover:	0	3 – Prevalence				
erb Stratum (Plot size: 30' radius)				Problematic Hy	drophytic \	/egetation ¹	(Explai	n)
Cynodon dactylon (Grass,bermuda)	75	Y	FACU		, ,	J	` '	,
Trifolium repens (Clover, white)	0.5		E 4 O	¹ Indicators of hyd				y mu
Sorghum halepense (Grass, johnson)	15		FACU	be present, unles			matic.	
Verbena brasiliensis (Vervain,brazilian)			FAC	Definitions of Veg	getation 5	trata:		
Ipomoea purpurea (Morning-glory,common)	5		FACU	Tree – Woody plar approximately 20 f (7.6 cm) or larger in	t (6 m) or r	nore in hei	ght and	
0				Sapling – Woody approximately 20 f than 3 in. (7.6 cm)	t (6 m) or r			
12				Shrub – Woody pla approximately 3 to				
50 % of total cover: 67.5 /oody Vine Stratum (Plot size:)	135 20 % o	= Total Cover:	er 27	Herb – All herbace herbaceous vines, plants, except woo 3 ft (1 m) in height.	regardless dy vines, l	s of size. In	ncludes	woo
				Woody vine – All v	woody vine	es, regardle	ess of he	∍igh
·								
50 % of total cover:0	0 20 % o	= Total Cover:		Hydrophytic Vegetation Present?	Ye	s	No	X

	ription: (Describe	to the dept	h needed to docu	ment the ir	ndicator c	r confirm	the absence	of indicators	s.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	edox Featur %	res Type ¹	Loc²	Texture		Rema	arke
			Color (Illoist)				Silty Clay		IXCIIIo	iiko
0-2	10YR 3/3	100	40VD 0/C		N/A	N/A	Silty Clay			
2-10	10YR 4/2	99	10YR 3/6		<u>C</u>	M				
10-18+	10YR 4/2	97	10YR 4/6		<u>C</u>	M	Clay			
			10yr 5/1	1	D	M	Clay			
				· ——						
¹ Type: C=C	oncentration, D=De	pletion, RM=	Reduced Matrix, C	S=Covered	d or Coate	d Sand G	rains. ² L	ocation: PL=	=Pore Lin	ing, M=Matrix.
Hydric Soil	Indicators:						Indica	tors for Prol	olematic	Hydric Soils ³ :
Histosol	(A1)		Polyvalue B	elow Surfac	e (S8) (LF	RR S, T, U	1)1 cm	Muck (A9) (L	RR O)	
Histic Ep	ipedon (A2)		Thin Dark S	uface (S9) (LRR S, T	, U)	2 cm	Muck (A10) (LRR S)	
Black His	stic (A3)		Loamy Gley	ed Matrix (F	1) (LRR ()	Redu	ced Vertic (F	18) (outs	ide MLRA 150A,B)
Hydroger	n Sulfide (A4)		Loamy Gley	ed Matrix (F	⁻ 2)		Piedn	nont Floodpla	in Soils (F19) (LRR P, S, T)
_	Layers (A5)		X Depleted Ma	atrix (F3)			Anom	alous Bright	Loamy S	oils (F20)
Organic I	Bodies (A6) (LRR P	P, T, U)	Redox Dark	•	,			LRA 153B)		
	cky Mineral (A7) (Ll		Depleted Da				Red F	Parent Materia	al (TF2)	
Muck Pre	esence (A8) (LRR L	J)	Redox Depr	essions (F8	5)		Very	Shallow Dark	Surface	(TF12)
1 cm Mud	ck (A9) (LRR P, T)		Marl (F10) (I				Other	(Explain in F	Remarks)	
Depleted	Below Dark Surfac	e (A11)	Depleted Oc	hric (F11) (MLRA 15	1)				
	rk Surface (A12)		Iron Mangar				T) ³ Indic	ators of Hvdr	ophytic v	egetation and
	airie Redox (A16) (I		Umbric Surfa	ace (F13) (L	RR P, T,	U)	wetla	nd hydrology	must be	present, unless
	ucky Mineral (S1) (I	LRR O, S)	Delta Ochric				distur	bed or proble	matic.	
	leyed Matrix (S4)		Reduced Ve							
	edox (S5)		Piedmont Fl							
	Matrix (S6) face (S7) (LRR P, \$	S, T, U)	Anomalous	Bright Loam	ny Soils (F	(20) (MLR	A 149A, 153C	, 153D)		
Restrictive I	Layer (if observed) :								
Type:		,			Hvd	ric Soil P	rosont?	Yes	Х	No
Depth (in	ches):				Tiyu	ric son r	resent:	163		
Remarks:										

Project/Site: 1000-Acre Schexnayder Property	City/County: Ascension Sampling Date: Jun 23, 2014
Applicant/Owner: Harold Schexnayder	State: Louisiana Sampling Point: 2
Investigator(s): B. McCoy, Q. Daigre	
Landform (hillslope, terrace, etc.) Hardwood Forest Loc	
Subregion (LRR or MLRA): LRR O Lat: 30°4'0.7"	
Soil Map Unit Name: Sharkey clay	
Are climatic / hydrologic conditions on the site typical for this time of year?	· · · · · · · · · · · · · · · · · · ·
Are Vegetation , Soil , or Hydrology significantly disturbed	
Are Vegetation, Soil, or Hydrology naturally problematic	? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sai	mpling point locations, transects, important features, etc.
Hudenhutin Variation Present?	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	
Wetland Hydrology Present? Yes X No	
Remarks:	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) — Aquatic Fauna (B13 High Water Table (A2) — Aquatic Fauna (B15 Marl Deposits (B15)	
Saturation (A3) Hydrogen Sulfide O	Odor (C1) Moss Trim Lines (B16)
	eres on Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduct Recent Iron Reduct	ed Iron (C4) Crayfish Burrows (C8) ion 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 Relation Visible on Aerial Imagery (B7)	emarks) Shallow Aquitard (D3) X FAC-Neutral Test (D5)
X Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No_X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	Water difference Process (O. Ver. V. No.
Saturation Present? Yes No_X Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Pamarke:	
Remarks:	

				Dominance Test worksheet:		
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30' radius)		Species?	Status	Number of Dominant Species		(4)
1. Salix nigra (Willow,black)	75	<u>Y</u>	OBL	That Are OBL, FACW, or FAC:	9	(A)
Celtis laevigata (Sugar-berry)	25	<u> </u>	FACW	Total Number of Deminent		
Ulmus americana (Elm,american)	15		FACW	Total Number of Dominant Species Across All Strata:	9	(B)
4.				opedies Adross All Ottata.		(D)
5				Percent of Dominant Species		
6				That Are OBL, FACW, or FAC:	100	(A/B)
7						•
8				Prevalence Index worksheet: Total % Cover of:	Multiply by:	
50.0% of total account 57.5		= Total Cov				
50 % of total cover: <u>57.5</u>	_ 20 % 0	of total cover:	23		x 1 =	
Sapling/Shrub Stratum (Plot size: 30' radius)					X 2 =	
Salix nigra (Willow,black)	60	Υ	OBL	FAC species	X 3 =	
Sambucus canadensis (Elder,american)	30	Y	FACW	FACU species	X 4 =	
Acer negundo (Box-elder)	20		FACW	UPL species	X 5 =	
Acer rubrum var. drummondii (Maple,drummond red)	20		OBL	Column Totals:	(A)	(B)
Quercus laurifolia (Oak,laurel)	10		FACW		. ,	` ′
6. Sabal minor (Palmetto,dwarf)	10		FACW		D / A	
7. Ulmus americana (Elm,american)	10		FACW	Prevalence Index =		
8.				Hydrophytic Vegetation Indicate		
·	160	= Total Cov	er	1 – Rapid Test for Hydrophyti	_	
50 % of total cover: 80		of total cover:		X 2 – Dominance Test is > 50%)	
	_			3 – Prevalence Test is ≤ 3.0 ¹	_	
Herb Stratum (Plot size: 30' radius)				Problematic Hydrophytic Veg	etation1 (Expla	ain)
Saururus cernuus (Tail,lizard's)	30	Y	OBL	1 la di actore of leveluis acil and		
2. Viola langloisii (Violet,bayou)	20	Y	FACW	¹ Indicators of hydric soil and we be present, unless disturbed or		
3.				Definitions of Vegetation Strat		
4				Johnson of Togotation Grat	u.	
5				Tree – Woody plants, excluding		
6.				approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at		
7				(7.0 cm) of larger in diameter at	breast fleight	(DDI I).
8				Sapling - Woody plants, excludi		
9				approximately 20 ft (6 m) or more than 3 in. (7.6 cm) DBH.	e in height and	d less
10				than 3 m. (7.6 cm) DBH.		
11				Shrub - Woody plants, excluding	g woody vines	5,
12				approximately 3 to 20 ft (1 to 6 m	n) in height.	
	50	= Total Cov		Herb – All herbaceous (non-woo	ndy) plants inc	cluding
50 % of total cover: 25	_ 20 % c	of total cover:	10	herbaceous vines, regardless of	size. Include:	s woody
Manda Man Otratage (Plateine 200 andia)				plants, except woody vines, less	than approxir	nately
Woody Vine Stratum (Plot size: 30' radiu)	00	V	E40	3 ft (1 m) in height.		
Toxicodendron radicans (Ivy,poison) Porthogogogogogogogogogogogogogogogogogogog	30	<u> </u>	FAC	Woody vine - All woody vines, I	regardless of	neiaht.
Parthenocissus quinquefolia (Creeper,virginia) Compoie redicens (Trumpet graeper)	<u>20</u> 15	<u> </u>	FAC FAC	,	- g	
Campsis radicans (Trumpet-creeper) Rubus louisianus (Blackberry,louisiana)			FAC			
Rubus louisianus (Blackberry,louisiana) S.	10		FAC			
J						
	75	= Total Cov		Hydrophytic		
50 % of total cover: <u>37.5</u>	_ 20 % c	of total cover:	15	Vegetation		
				Present? Yes	X No	
Damada (Indude alter south and	ahact \			1		
Remarks: (Include photo numbers here or on a separate	sheet.)					

	cription: (Describe	to the depti				or confirm	the absence	of indica	tors	.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	edox Feature %	es Type¹	Loc ²	Texture			Rem	arks
0-8	10YR 4/1	96	10YR 3/6	4	C	M	Clay	-		TOTAL	anto
8-18+	10YR 4/1	90	10YR 4/6	5	C	M	Clay				
0-10+	1011 4/1	90						-			
			10YR 5/1	5	D	M	Clay				
				 .							
¹ Type: C=C	oncentration, D=De	pletion, RM=	Reduced Matrix, C	S=Covered	or Coate	d Sand Gra	ains. ²	Location:	PL=	Pore Lii	ning, M=Matrix.
Hydric Soil	Indicators:						Indic	ators for F	rob	lematic	: Hydric Soils ³ :
Histosol	(A1)		Polyvalue B	elow Surface	e (S8) (Ll	RR S, T, U)	1 cm	Muck (A9) (LF	RR O)	
Histic Ep	ipedon (A2)		Thin Dark S	uface (S9) (I	_RR S, T	, U)	2 cm	n Muck (A1	0) (L	.RR S)	
Black His	stic (A3)		Loamy Gley	ed Matrix (F	1) (LRR (O)	Red	uced Vertic	(F1	8) (out :	side MLRA 150A,B
Hydroger	n Sulfide (A4)		Loamy Gley	ed Matrix (F	2)		Pied	mont Floor	dplai	n Soils	(F19) (LRR P, S, T)
Stratified	Layers (A5)		X Depleted Ma	atrix (F3)			Anoi	malous Bri	ght L	oamy S	Soils (F20)
Organic I	Bodies (A6) (LRR P	, T, U)	Redox Dark	Surface (F6)		(N	ILRA 153 E	3)		
5 cm Mud	cky Mineral (A7) (LF	RR P, T, U)	Depleted Da	rk Surface (F7)		Red	Parent Ma	teria	l (TF2)	
Muck Pre	esence (A8) (LRR U)	Redox Depr	essions (F8)			Very	Shallow D	ark	Surface	e (TF12)
1 cm Mud	ck (A9) (LRR P, T)		Marl (F10) (LRR U)			Othe	er (Explain	in R	emarks)
Depleted	Below Dark Surfac	e (A11)	Depleted Oc	chric (F11) (N	MLRA 15	1)					
Thick Da	rk Surface (A12)		Iron Mangar	nese Masses	s (F12) (L	.RR O, P, T	') 3 _{Indi}	cators of H	lvdro	nhytic y	vegetation and
Coast Pra	airie Redox (A16) (N	/ILRA 150A)				U)					present, unless
Sandy M	ucky Mineral (S1) (I	RR O, S)	Delta Ochric	(F17) (MLR	(A 151)		distu	irbed or pro	oble	matic.	
Sandy G	eyed Matrix (S4)		Reduced Ve	ertic (F18) (M	ILRA 150	A, 150B)					
Sandy Re	edox (S5)		Piedmont Fl	oodplain Soi	ils (F19) (MLRA 149	A)				
	Matrix (S6) face (S7) (LRR P, S	s, T, U)	Anomalous	Bright Loamy	y Soils (F	20) (MLRA	149A, 1530	C, 153D)			
Restrictive I	_ayer (if observed)	•									
Type:	-uyo. (0200. 10u)	•			Hvd	ric Soil Pre	esent?	Υ	'es	х	No
Depth (in	ches):										
Remarks:											

	City/County: Ascension Sampling Date: Jun 23, 2014
Applicant/Owner: Harold Schexnayder	State: Louisiana Sampling Point: 3
Investigator(s): B.McCoy, Q. Daigre	
Landform (hillslope, terrace, etc.) Hardwood Forest Lo	cal relief (concave, convex, none): none Slope (%): 0
Subregion (LRR or MLRA): LRR O Lat: 30°4'22.5	"N Long: 90°58'20.1" W Datum: NAD 83
Soil Map Unit Name: Sharkey clay	
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrologysignificantly disturbed	d? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problematic	
<u> </u>	
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.
Lhudranhutia Variation Dranget?	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	
Wetland Hydrology Present? Yes X No	
Remarks: Plot was taken in an area that was row cropped in the past but now appear	are to be 8-10-year-old hardwood forget
Thot was taken in an area that was now cropped in the past but now appear	its to be 6-10-year-old hardwood forest.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13 High Water Table (A2) Marl Deposits (B15	
Saturation (A3) Hydrogen Sulfide C	
Water Marks (B1) Oxidized Rhizosphe	eres on Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduction Recent Iron R	ed Iron (C4) X Crayfish Burrows (C8) ion in Tilled Soils (C6) X Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Algal Mat or Crust (B4) Thin Muck Surface	
Iron Deposits (B5) Other (Explain in R	emarks) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	emarks) Shallow Aquitard (D3) X FAC-Neutral Test (D5)
	emarks) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations:	emarks) Shallow Aquitard (D3) X FAC-Neutral Test (D5)
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes NoX Depth (inches):	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes NoX Depth (inches): Water Table Present? Yes NoX Depth (inches):	emarks) Shallow Aquitard (D3) X FAC-Neutral Test (D5)
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes NoX Depth (inches):	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes NoX Depth (inches): Water Table Present? Yes NoX Depth (inches): Saturation Present? Yes NoX Depth (inches): (includes capillary fringe)	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes NoX Depth (inches): Water Table Present? Yes NoX Depth (inches): Saturation Present? Yes NoX Depth (inches):	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, processing process	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes NoX Depth (inches): Water Table Present? Yes NoX Depth (inches): Saturation Present? Yes NoX Depth (inches): (includes capillary fringe)	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, processing process	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, processing process	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, processing process	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, processing process	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, processing process	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, processing process	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
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Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, processing process	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, processing process	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, processing the content of the co	Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No

				Dominance Test worksheet:		
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30' radius)		Species?	Status	Number of Dominant Species		
Acer negundo (Box-elder)	25	<u> </u>	FACW	That Are OBL, FACW, or FAC:	7	_ (A)
3				Total Number of Dominant Species Across All Strata:	7	(D)
4				Species Across Ali Strata.	7	_ (B)
5				Percent of Dominant Species		
6				That Are OBL, FACW, or FAC:	100	(A/B)
7						_ ` ′
8				Prevalence Index worksheet:	N.A. alicha barbara	
	25			Total % Cover of:	Multiply by:	
50 % of total cover:12.5	_ 20 % c	of total cover:	5	OBL species	x 1 =	
Continue (Charak Charakana (Diak sina 20) andisa				FACW species	X 2 =	
Sapling/Shrub Stratum (Plot size: 30' radius)	00	V	EAC\\\	FAC species	X 3 =	
1. Acer negundo (Box-elder)	80	<u> </u>	FACW	FACU species	X 4 =	
2. Cornus foemina (Dogwood,stiff)	20		FACW	UPL species	X 5 =	
3. Ulmus americana (Elm,american)			FACW	Column Totals:	(A)	
4. Celtis laevigata (Sugar-berry)	10		FACW	Column Totals.	(A)	(b)
5. Sambucus canadensis (Elder,american)	10		FACW			
6 7.				Prevalence Index =		
7 8.				Hydrophytic Vegetation Indicat	ors:	
5	140	= Total Cov		1 – Rapid Test for Hydrophyt	ic Vegetation	
EO 0/ of total across 70	140	= rotal cover:		X 2 – Dominance Test is > 50%	ó	
50 % of total cover: 70	_ 20 % C	n total cover.	28	3 – Prevalence Test is ≤ 3.0 ¹		
Herb Stratum (Plot size: 30' radius)				Problematic Hydrophytic Veg	etation¹ (Expl	lain)
Toxicodendron radicans (Ivy,poison)	60	Υ	FAC			
Lygodium japonicum (Fern,japanese climbing)	30	Y	FAC	¹ Indicators of hydric soil and w		
Boehmeria cylindrica (False-nettle,small-spike)	10		FACW	be present, unless disturbed or		
4. Cocculus carolinus (Coral-beads,carolina)	10		FAC	Definitions of Vegetation Strat	ia:	
				Tree – Woody plants, excluding	woodv vines.	
				approximately 20 ft (6 m) or mor	e in height an	ıd 3 in.
				(7.6 cm) or larger in diameter at	breast height	(DBH).
0				Sapling – Woody plants, exclud	ing woody vir	200
				approximately 20 ft (6 m) or mor		
40				than 3 in. (7.6 cm) DBH.	J	
11				Observation NAVersation and a set of a construction		_
12				Shrub – Woody plants, excludin approximately 3 to 20 ft (1 to 6 n	,	S,
12.	110	= Total Cov	er	approximately 3 to 20 ft (1 to 0 ft	ii) iii neigiit.	
50 % of total cover: 55		of total cover:		Herb – All herbaceous (non-woo		
<u> </u>				herbaceous vines, regardless of		
Woody Vine Stratum (Plot size: 30' radiu)				plants, except woody vines, less 3 ft (1 m) in height.	tnan approxi	matery
Campsis radicans (Trumpet-creeper)	15	Υ	FAC	on (1 m) in neight.		
Toxicodendron radicans (Ivy,poison)	15	Y	FAC	Woody vine - All woody vines,	regardless of	height.
3. Parthenocissus quinquefolia (Creeper,virginia)	10	Y	FAC			
4.						
5.				1		
	40	= Total Cov	er			
EO 9/ of total cover: 20				Hydrophytic		
50 % of total cover: 20	_ 20 % 0	of total cover:	8	Vegetation		
				Present? Yes	X No	

			th needed to docu	ment the in	dicator o	or confirm	the absence	of indicator	s.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	edox Featur %	es Type ¹	Loc²	Texture		Rema	arke
			Color (moist)						IXCIII	airo
0-4	10YR 3/1	100			N/A	N/A	Clay	-		
4-10	10YR 4/1	100		· —	N/A	N/A	Clay			
10-18+	10YR 4/1	95	10YR 4/6	5	C	M	Clay			
¹Type: C=C	oncentration, D=De	epletion, RM:	=Reduced Matrix, C	S=Covered	or Coate	ed Sand Gra	ains. ²l	_ocation: PL	=Pore Lir	ning, M=Matrix.
Hydric Soil	Indicators:						Indica	tors for Pro	blematic	Hydric Soils ³ :
Histosol ((A1)		Polyvalue Be	elow Surface	e (S8) (L l	RR S, T, U)	1 cm	Muck (A9) (RR O)	
Histic Ep	ipedon (A2)		Thin Dark Su	uface (S9) (I	LRR S, T	, U)	2 cm	Muck (A10)	(LRR S)	
Black His	stic (A3)		Loamy Gleye	ed Matrix (F	1) (LRR	0)	— Redu	ced Vertic (F	18) (outs	side MLRA 150A,B)
	Sulfide (A4)		Loamy Gleye	•		•				(F19) (LRR P, S, T)
	Layers (A5)		X Depleted Ma		,			nalous Bright		
	Bodies (A6) (LRR F	P. T. U)	Redox Dark		3)			LRA 153B)		(0)
	cky Mineral (A7) (L		Depleted Da	•	,			Parent Mater	ial (TF2)	
	esence (A8) (LRR I		Redox Depre					Shallow Dar		(TF12)
·	ck (A9) (LRR P, T)		Marl (F10) (I		,			r (Explain in		
_	Below Dark Surface		Depleted Oc		MI D A 15	4)	Other	i (Explaiii iii	(Ciliaiks)	
	rk Surface (A12)	CC (ATT)	Iron Mangan				۲۱			
		MI DA 150A					indic			egetation and
	airie Redox (A16) (U)				present, unless
	ucky Mineral (S1) (LKK (J, 5)	Delta Ochric			A 450D)	aistui	rbed or probl	ematic.	
	eyed Matrix (S4)		Reduced Ve							
	edox (S5)		Piedmont Flo							
	Matrix (S6) face (S7) (LRR P,	S, T, U)	Anomalous I	Bright Loam	y Soils (F	(MLRA	A 149A, 153C	, 153D)		
Restrictive I	_ayer (if observed	I):								
Type:					Hyd	lric Soil Pr	esent?	Yes	X	No
Depth (in	ches):									
Remarks:										

1 Toject/Site. 1000-Acre Schexhayder 1 Toperty	City/0	County: Ascension S	Sampling Date: Jun 27, 2014
Applicant/Owner: Harold Schexnayder		State: Louisiana	Sampling Point: 4
Investigator(s): B.McCoy, Q.Daigre		n, Township, Range: Section 30,	
Landform (hillslope, terrace, etc.) Scrub/shrub			
Subregion (LRR or MLRA): LRR O	Lat: 30°4'21.5" N	Long: 90°58'8.7" W	Datum: NAD 83
Soil Map Unit Name: Sharkey clay		NWI Classification:	
Are climatic / hydrologic conditions on the site typical f			
Are Vegetation, Soil, or Hydrology			
Are Vegetation, Soil, or Hydrology		(If needed, explain any answ	
	, , , , , , , , , , , , , , , , , , ,	(, , , , , , , , , , , , ,	,
SUMMARY OF FINDINGS – Attach site n	nan showing samplin	n noint locations transact	s important features etc
SOMMAN OF FINDINGS - Attach site in	nap snowing sampini	g point locations, transect	s, important reatures, etc.
Hydrophytic Vegetation Present? Yes	s <u>X</u> No	he Sampled Area	
Hydric Soil Present? Yes	s X No with	hin a Wetland? Yes	X No
Wetland Hydrology Present? Yes	s <u>X</u> No	_	
Remarks:			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Inc	dicators (minimum of two required)
Primary Indicators (minimum of one is required; chec		Surface S	Soil Cracks (B6)
X Surface Water (A1) X High Water Table (A2)	Aquatic Fauna (B13) Marl Deposits (B15) (LRR	Sparsely	Vegetated Concave Surface (B8) Patterns (B10)
X Saturation (A3)	Hydrogen Sulfide Odor (C		n Lines (B16)
Water Marks (B1)	Oxidized Rhizospheres on		on Water Table (C2)
Sediment Deposits (B2)	Presence of Reduced Iron	(C4) X Crayfish	Burrows (C8)
Sediment Deposits (B2) Drift Deposits (B3)	Presence of Reduced Iron Recent Iron Reduction in T	(C4) X Crayfish X Saturation	Burrows (C8) n Visible on Aerial Imagery (C9)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Presence of Reduced Iron	(C4) X Crayfish illed Soils (C6) Saturatio X Geomorp Shallow A	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7)	(C4)	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9)	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7)	(C4)	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations:	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks	(C4)	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 1*	(C4)	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks	(C4) X Crayfish I Saturation X Geomorp Shallow A Sphagnu	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) m moss (D8) (LRR T, U)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No Water Table Present? Yes X No Saturation Present? Yes X No	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 1*	(C4)	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) m moss (D8) (LRR T, U)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No Water Table Present? Yes X No	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 1* Depth (inches): 12	(C4) X Crayfish I Saturation X Geomorp Shallow A Sphagnu	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) m moss (D8) (LRR T, U)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No Water Table Present? Yes X No Saturation Present? Yes X No	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 1* Depth (inches): 12 Depth (inches): 0-2	(C4) X Crayfish Saturatio X Geomorp Shallow A X FAC-Neu Sphagnu Wetland Hydrology Present	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) m moss (D8) (LRR T, U)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No Water Table Present? Yes X No Saturation Present? Yes X No (includes capillary fringe)	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 1* Depth (inches): 12 Depth (inches): 0-2	(C4) X Crayfish Saturatio X Geomorp Shallow A X FAC-Neu Sphagnu Wetland Hydrology Present	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) m moss (D8) (LRR T, U)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No Water Table Present? Yes X No Saturation Present? Yes X No (includes capillary fringe)	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 1* Depth (inches): 12 Depth (inches): 0-2	(C4) X Crayfish Saturatio X Geomorp Shallow A X FAC-Neu Sphagnu Wetland Hydrology Present	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) m moss (D8) (LRR T, U)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No Water Table Present? Yes X No Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 1* Depth (inches): 12 Depth (inches): 0-2	(C4) X Crayfish Saturatio X Geomorp Shallow A X FAC-Neu Sphagnu Wetland Hydrology Present	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) m moss (D8) (LRR T, U)
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Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No Water Table Present? Yes X No Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 1* Depth (inches): 12 Depth (inches): 0-2	(C4) X Crayfish Saturatio X Geomorp Shallow A X FAC-Neu Sphagnu Wetland Hydrology Present	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) m moss (D8) (LRR T, U)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No Water Table Present? Yes X No Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 1* Depth (inches): 12 Depth (inches): 0-2	(C4) X Crayfish Saturatio X Geomorp Shallow A X FAC-Neu Sphagnu Wetland Hydrology Present	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) m moss (D8) (LRR T, U)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No Water Table Present? Yes X No Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 1* Depth (inches): 12 Depth (inches): 0-2	(C4) X Crayfish Saturatio X Geomorp Shallow A X FAC-Neu Sphagnu Wetland Hydrology Present	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) m moss (D8) (LRR T, U)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes X No Water Table Present? Yes X No Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring	Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 1* Depth (inches): 12 Depth (inches): 0-2	(C4) X Crayfish Saturatio X Geomorp Shallow A X FAC-Neu Sphagnu Wetland Hydrology Present	Burrows (C8) n Visible on Aerial Imagery (C9) hic Position (D2) Aquitard (D3) tral Test (D5) m moss (D8) (LRR T, U)
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			th needed to docu			or confirm	the absence	of indicato	s.)			
Depth (inches)	Color (moist)	%	Color (moist)	edox Feature %	es Type ¹	Loc²	Texture		Rema	arke		
			Color (Inolst)						IXCIII	diks		
0-3	10YR 4/1	100	40VD 2/2		N/A	N/A	Clay					
3-6	10YR 4/1	96	10YR 3/3		<u> </u>	<u>M</u>	Clay					
6-18+	10YR 4/1	95	7.5YR 4/6	5	<u>C</u>	M	Clay					
¹ Type: C=C	oncentration, D=De	epletion, RM:	=Reduced Matrix, C	S=Covered	or Coate	d Sand Gra	ains. ² l	_ocation: PL	.=Pore Lir	ning, M=Matrix.		
Hydric Soil	Indicators:						Indica	tors for Pro	blematic	Hydric Soils ³ :		
Histosol	(A1)		Polyvalue Be	elow Surface	(S8) (L l	RR S, T, U)	1 cm	Muck (A9) (LRR O)			
Histic Epipedon (A2)			Thin Dark Su	Thin Dark Suface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S)								
Black Histic (A3)			Loamy Gleye	Loamy Gleyed Matrix (F1) (LRR O)Reduced Vertic						c (F18) (outside MLRA 150A,B)		
Hydrogen Sulfide (A4)			Loamy Gleye	ed Matrix (F2	2)		Piedr	mont Floodpl	ain Soils ((F19) (LRR P, S, T)		
Stratified Layers (A5)			X Depleted Ma	X Depleted Matrix (F3) Anomalous Bright Loam								
Organic Bodies (A6) (LRR P, T, U)			Redox Dark	Surface (F6)		(M	LRA 153B)				
5 cm Mucky Mineral (A7) (LRR P, T, U)			Depleted Da	rk Surface (F7)		Red I	Red Parent Material (TF2)				
Muck Pre	esence (A8) (LRR	Redox Depre	essions (F8)			Very	Shallow Dar	k Surface	(TF12)			
1 cm Mu	ck (A9) (LRR P, T)		Marl (F10) (I	_RR U)			Othe	r (Explain in	Remarks)	1		
Depleted	Below Dark Surfa	ce (A11)	Depleted Oc	hric (F11) (N	ILRA 15	1)						
Thick Da	rk Surface (A12)		Iron Mangan	ese Masses	(F12) (L	.RR O, P, T) 3 ₁₋₂₋₂ 1: a					
Coast Pra	airie Redox (A16) (MLRA 150A)Umbric Surfa	ace (F13) (L	RR P, T,	U)	Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless					
Sandy M	ucky Mineral (S1)	(LRR O, S)	Delta Ochric	Delta Ochric (F17) (MLRA 151) disturbed or problematic.								
Sandy G	eyed Matrix (S4)		· · · · · · · · · · · · · · · · · · ·	Reduced Vertic (F18) (MLRA 150A, 150B)								
	edox (S5)		Piedmont Floodplain Soils (F19) (MLRA 149A)									
	Matrix (S6)						149A, 153C	, 153D)				
	face (S7) (LRR P,	S, T, U)			,	, (,	,				
	_ayer (if observed	d):										
Type: Depth (in	oboo):				Hyd	ric Soil Pr	esent?	Yes	X	No		
Remarks:												

Project/Site: 1000-Acre Schexnayder Property	City/County: Ascension Sampling Date: Jun 26, 2014					
Applicant/Owner: Harold Schexnayder						
Investigator(s): B. McCoy, Q. Daigre						
Landform (hillslope, terrace, etc.) Hardwood Forest Lo						
Subregion (LRR or MLRA): LRR O Lat: 30°4'1.8"	N Long: 90°58'8.2" W Datum: NAD 83					
Soil Map Unit Name: Sharkey clay	NWI Classification:					
Are climatic / hydrologic conditions on the site typical for this time of year?	· · · · · · · · · · · · · · · · · · ·					
Are Vegetation , Soil , or Hydrology significantly disturbed	d? Are "Normal Circumstances" present? Yes X No					
Are Vegetation, Soil, or Hydrologynaturally problematic	? (If needed, explain any answers in Remarks.)					
_						
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No						
Wetland Hydrology Present? Yes X No						
Remarks:						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
X Surface Water (A1) Aquatic Fauna (B1:						
X High Water Table (A2) Marl Deposits (B15 X Saturation (A3) Hydrogen Sulfide C						
X Water Marks (B1) Oxidized Rhizosph	eres on Living Roots (C3) Dry-Season Water Table (C2)					
Sediment Deposits (B2) The property of Reduction Recent Iron	red Iron (C4) X Crayfish Burrows (C8) tion in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4) Algal Mat or Crust (B4) Thin Muck Surface						
Iron Deposits (B5) Other (Explain in R						
Inundation Visible on Aerial Imagery (B7) X Water-Stained Leaves (B9)	X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)					
Field Observations:						
Surface Water Present? Yes X No Depth (inches): 2-3	3					
Water Table Present? Yes X No Depth (inches): 6						
Saturation Present? Yes X No Depth (inches): 0	Wetland Hydrology Present? Yes X No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p.	revious inspections) if available:					
Describe Necotaed Bata (stream gauge, monitoring well, defiat photos, p	novious inspections), il available.					
Remarks:						

				Dominance Test worksheet:
Tree Officials (District Office)	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30' radius)		Species?	Status	Number of Dominant Species
Celtis laevigata (Sugar-berry)	30	<u>Y</u>	FACW	That Are OBL, FACW, or FAC:11 (A)
Quercus laurifolia (Oak,laurel)	30	<u> </u>	FACW	
Acer negundo (Box-elder)	25	<u> </u>	FACW	Total Number of Dominant
4. Acer rubrum var. drummondii (Maple,drummond red)	25	Y	OBL	Species Across All Strata:11 (B)
5				
6				Percent of Dominant Species That Are OBL FACW or FAC: 100 (A/B)
7.				That Are OBL, FACW, or FAC:100 (A/B)
8.				Prevalence Index worksheet:
		= Total Cov	/er	Total % Cover of: Multiply by:
50 % of total cover: 55		of total cover:		OBL species x 1 =
30 % of total cover	_ 20 /0 0	n total cover.		
Sapling/Shrub Stratum (Plot size: 30' radius)				FACW species X 2 =
. • • • • • • • • • • • • • • • • • • •	40	V	EACW.	FAC species X 3 =
Arundinaria gigantea (Cane,giant)	40	<u>Y</u>	FACW	FACU species X 4 =
Sabal minor (Palmetto,dwarf)	40	Y		UPL species
3. Acer rubrum var. drummondii (Maple,drummond red)				<u> </u>
4. Cephalanthus occidentalis (Buttonbush,common)	20		OBL	Column Totals: (A) (B)
5. Fraxinus profunda (Ash,pumpkin)	10		OBL	
6. Ilex decidua (Holly, deciduous)	10		FACW	Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
8.				
	145	= Total Cov	/er	1 – Rapid Test for Hydrophytic Vegetation
50 % of total cover: 72.5		of total cover:		X 2 – Dominance Test is > 50%
30 % of total cover	_ 20 /0 0	n total cover.		3 – Prevalence Test is ≤ 3.0 ¹
Herb Stratum (Plot size: 30' radius)				Problematic Hydrophytic Vegetation ¹ (Explain)
· - · · · · · · · · · · · · · · · · · ·	10	V	EACIA/	
Polygonum setaceum (Smartweed,swamp)		<u>Y</u>		¹ Indicators of hydric soil and wetland hydrology must
Polygonum hydropiperoides (Smartweed,swamp)	5	<u>Y</u>	OBL	be present, unless disturbed or problematic.
Saururus cernuus (Tail,lizard's)	5	Y	OBL	Definitions of Vegetation Strata:
4				
5				Tree – Woody plants, excluding woody vines,
6				approximately 20 ft (6 m) or more in height and 3 in.
7				(7.6 cm) or larger in diameter at breast height (DBH).
8.				Sapling – Woody plants, excluding woody vines,
9.				approximately 20 ft (6 m) or more in height and less
10.				than 3 in. (7.6 cm) DBH.
4.4				·
12.		-		Shrub – Woody plants, excluding woody vines,
12		Tatal Car		approximately 3 to 20 ft (1 to 6 m) in height.
50.0% (1.1.1	20	= Total Cov		Herb – All herbaceous (non-woody) plants, including
50 % of total cover: 10	_ 20 % c	of total cover:	4	herbaceous vines, regardless of size. Includes woody
				plants, except woody vines, less than approximately
Woody Vine Stratum (Plot size: 30' radiu)				3 ft (1 m) in height.
Parthenocissus quinquefolia (Creeper, virginia)	25	Y	FAC	NATE of the state
2. Smilax bona-nox (Greenbrier,saw)	10	Y	FAC	Woody vine – All woody vines, regardless of height.
3				
4.				
5.				
	35	= Total Cov	ıor	
				Hydrophytic
50 % of total cover: 17.5	_ 20 % c	of total cover:		Vegetation
				Present? Yes X No
Remarks: (Include photo numbers here or on a separate	sheet.)			

	cription: (Describe					r confirm	the absence	of indicate	ors.)			
Depth (inches)	Color (moist)	%		edox Featur %		Loc ²	Texture		Rem	orko		
(inches)			Color (moist)		Type'			-	Kelli	diks		
0-3	10YR 3/2	98	10YR 5/8	2	C	M	Clay			·		
3-7	10YR 4/1	100		· ——	N/A	N/A	Clay					
7-18+	10YR 4/1	95	10YR 5/8	2	C	M	Clay					
			10YR 4/6	3	<u>C</u>	M	Clay					
¹ Type: C=C	oncentration, D=De	epletion, RM=	Reduced Matrix, C	CS=Covered	l or Coate	d Sand Gra	ains. ²	Location: F	L=Pore Li	ning, M=Matrix.		
Hydric Soil	Indicators:						Indic	ators for Pr	oblematio	: Hydric Soils ³ :		
Histosol	(A1)		Polyvalue B	elow Surfac	e (S8) (Li	RR S, T, U)	1 cm	Muck (A9)	(LRR O)			
Histic Ep	ipedon (A2)		Thin Dark S	uface (S9) (LRR S, T	, U)	2 cm	Muck (A10) (LRR S)			
Black Histic (A3)			Loamy Gley	ed Matrix (F	1) (LRR ()	Red	uced Vertic	(F18) (out :	side MLRA 150A,B)		
Hydrogen Sulfide (A4)			Loamy Gley	ed Matrix (F	2)		Pied	mont Flood	olain Soils	(F19) (LRR P, S, T)		
Stratified Layers (A5)			X Depleted Ma	X Depleted Matrix (F3)Anomalous Bright Loamy						Soils (F20)		
Organic Bodies (A6) (LRR P, T, U)			Redox Dark	`	,			ILRA 153B)				
5 cm Mucky Mineral (A7) (LRR P, T, U)			Depleted Da				Red	Parent Mate	erial (TF2)			
Muck Presence (A8) (LRR U)			Redox Depr	essions (F8)		Very	Shallow Da	rk Surface	(TF12)		
1 cm Mu	ck (A9) (LRR P, T)		Marl (F10) (Othe	er (Explain ir	Remarks)		
	Below Dark Surfac	ce (A11)	Depleted Oc	. , .		-						
	rk Surface (A12)		Iron Mangar		') ³ _{Indi}	cators of Hv	drophytic	vegetation and				
	airie Redox (A16) (Umbric Surface (F13) (LRR P, T, U)					wetland hydrology must be present, unless			
	ucky Mineral (S1) (LRR O, S)		Delta Ochric (F17) (MLRA 151) disturbed or problematic.								
	leyed Matrix (S4)		Reduced Vertic (F18) (MLRA 150A, 150B)									
	edox (S5)		Piedmont Floodplain Soils (F19) (MLRA 149A)									
	Matrix (S6) face (S7) (LRR P, \$	S, T, U)	Anomalous	Bright Loam	ıy Soils (F	20) (MLRA	. 149A, 1530	C, 153D)				
	Layer (if observed	l):										
Type:					Hyd	ric Soil Pre	esent?	Υe	s X	No		
Depth (in	nches):											
Remarks:												

•	City/County: Ascension Sampling Date: Jul 9, 2014						
Applicant/Owner: Harold Schexnayder	State: Louisiana Sampling Point: 6						
Investigator(s): B. McCoy	Section, Township, Range: Section 30, T-11-S, R-15-E						
Landform (hillslope, terrace, etc.) Hardwood Forest (Batture) Loc							
Subregion (LRR or MLRA): LRR O Lat: 30°6'8" N	Long: 90°58'0.2" W Datum:						
Soil Map Unit Name: Convent soils, frequently flooded							
Are climatic / hydrologic conditions on the site typical for this time of year?							
Are Vegetation , Soil , or Hydrology significantly disturbed	? Are "Normal Circumstances" present? Yes X No						
Are Vegetation, Soil, or Hydrologynaturally problematic?							
<u> </u>							
SUMMARY OF FINDINGS – Attach site man showing sar	npling point locations, transects, important features, etc.						
Attach site map showing sta	point locations, transcots, important reatures, etc.						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No							
Remarks:							
HADBOLOCA							
HYDROLOGY Westernd Hydrology Indicators:	Cocondony Indicators (minimum of two required)						
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)						
Surface Water (A1) Aquatic Fauna (B13							
High Water Table (A2) Marl Deposits (B15)	(LRR U) Drainage Patterns (B10)						
Saturation (A3) Hydrogen Sulfide O	dor (C1) Moss Trim Lines (B16)						
	res on Living Roots (C3) Dry-Season Water Table (C2)						
X Sediment Deposits (B2) Presence of Reduce	res on Living Roots (C3) Dry-Season Water Table (C2) ad Iron (C4) Crayfish Burrows (C8)						
X Sediment Deposits (B2) Presence of Reduce Recent Iron Reduction Presence of Reduce Presence of Reduc	res on Living Roots (C3) Dry-Season Water Table (C2) d Iron (C4) Crayfish Burrows (C8) on in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)						
X Sediment Deposits (B2) Presence of Reduce X Drift Deposits (B3) Recent Iron Reducti Algal Mat or Crust (B4) Thin Muck Surface (Iron Deposits (B5) Other (Explain in Re	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) C7) marks) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3)						
X Sediment Deposits (B2) Presence of Reduce X Drift Deposits (B3) Recent Iron Reducti Algal Mat or Crust (B4) Thin Muck Surface (Iron Deposits (B5) Other (Explain in Reservation X Inundation Visible on Aerial Imagery (B7)	res on Living Roots (C3) red Iron (C4) on in Tilled Soils (C6) C7) marks) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5)						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) CC7) marks) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3)						
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X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) C7) marks) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)						
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X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) C7) marks) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) (C7) marks) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)						
X Sediment Deposits (B2)	res on Living Roots (C3) Indicated Iron (C4) Indi						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
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X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						
X Sediment Deposits (B2)	res on Living Roots (C3) ord Iron (C4) on in Tilled Soils (C6) crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Wetland Hydrology Present? Yes X No						

50 % of total cover:

50 % of total cover: ____15___

1. Alternanthera philoxeroides (Weed,alligator) 75 Y

50 % of total cover:

(Plot size: 30' radiu)

Brunnichia cirrhosa (Redvine)

45

Tree Stratum (Plot size:)

Sapling/Shrub Stratum (Plot size: 30' radius)

(Plot size: 30' radius)

Rumex verticillatus (Dock,swamp)

Forestiera acuminata (Privet,swamp)

2. Salix nigra (Willow,black)

3.

4. 5.

6.

3.

4. 5. 6.

3.

4. 5.

6.

7. 8.

10.

2. 3. 4.

Woody Vine Stratum

Herb Stratum

Absolute Dominant

% Cover Species?

0 = Total Cover

20 % of total cover:

30 = Total Cover

20 % of total cover:

90 = Total Cover

35 = Total Cover

20 % of total cover:

Indicator

Status

50 % of to	otal cover:	17.5	20 % of total cover:
	-	•	
Remarks: (Include photo numbers he	ere or on a s	eparate she	et.)

	ription: (Describe					r confirm	the absence	of indicato	rs.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	edox Feature %	Type ¹	Loc ²	Texture		Rem	arks
0-10	10YR 4/2	90	10YR 3/4	10	C	M	Clay	-	TOTAL	uno
								-		
10-18+	10YR 4/2	85	10YR 3/4		<u>C</u>	M	Clay			
			5YR 4/6	5	<u>C</u>	M	Clay			
	-									
	-									
¹ Type: C=Co	oncentration, D=De	epletion, RM:	=Reduced Matrix, C	CS=Covered	or Coate	d Sand Gra	ains. ²	Location: P	_=Pore Lii	ning, M=Matrix.
Hydric Soil	Indicators:						Indica	ators for Pr	oblematio	: Hydric Soils³:
Histosol ((A1)		Polyvalue B	elow Surface	(S8) (Ll	RR S, T, U)	1 cm	Muck (A9)	LRR O)	
Histic Ep	ipedon (A2)		Thin Dark S	uface (S9) (L	RR S, T	, U)	2 cm	Muck (A10)	(LRR S)	
Black His	tic (A3)		Loamy Gley	ed Matrix (F	1) (LRR (O)	Redu	ıced Vertic (F18) (out :	side MLRA 150A,B)
Hydrogen Sulfide (A4)			Loamy Gley	Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils ((F19) (LRR P, S, T)
Stratified Layers (A5)			X Depleted Matrix (F3)Anomalous Bright Loan							Soils (F20)
Organic Bodies (A6) (LRR P, T, U)			Redox Dark	Surface (F6)		(M	LRA 153B)		
5 cm Mucky Mineral (A7) (LRR P, T, U)			Depleted Da	rk Surface (F7)		Red	Parent Mate	rial (TF2)	
Muck Pre	esence (A8) (LRR l	Redox Depr	essions (F8)			Very	Shallow Da	rk Surface	(TF12)	
1 cm Mud	ck (A9) (LRR P, T)		Marl (F10) (LRR U)			Othe	r (Explain in	Remarks)
Depleted	Below Dark Surface	ce (A11)	Depleted O	chric (F11) (N	ILRA 15	1)				
Thick Da	rk Surface (A12)		Iron Mangar	nese Masses	(F12) (L	RR O, P, T) 3 _{Indi}	cators of Hy	drophytic y	vegetation and
Coast Pra	airie Redox (A16) (MLRA 150A)Umbric Surf	ace (F13) (L	RR P, T,	U)	Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless			
Sandy M	ucky Mineral (S1) ((LRR O, S)	Delta Ochrid	(F17) (MLR	A 151)		distu	rbed or prob	lematic.	
Sandy GI	eyed Matrix (S4)		Reduced Vertic (F18) (MLRA 150A, 150B)							
Sandy Re	edox (S5)		Piedmont Floodplain Soils (F19) (MLRA 149A)							
	Matrix (S6) face (S7) (LRR P, 3	S T III	Anomalous	Bright Loamy	/ Soils (F	20) (MLRA	149A, 153C	, 153D)		
					_					
Type:	_ayer (if observed	I):			Hyd	ric Soil Pre	sent?	Ye	s X	No
Depth (in	ches):				liyu	ric Johr I	36111:	16	·	
Remarks:	<u></u>									
rtomanto.										

Appendix B PHOTOGRAPHS



Photograph 1. Soil Profile Observed at Plot 1



Photograph 2. Overview of Habitat Observed at Plot 1, Facing East



Photograph 3. Overview of Habitat Observed at Plot 1, Facing Northwest



Photograph 4. Soil Profile Observed at Plot 2



Photograph 5. Overview of Habitat Observed at Plot 2, Facing West



Photograph 6. Overview of Habitat Observed at Plot 2, Facing North



Photograph 7. Soil Profile Observed at Plot 3



Photograph 8. Overview of Habitat Observed at Plot 3, Facing North



Photograph 9. Overview of Habitat Observed at Plot 3, Facing South





Photograph 11. Overview of Habitat Observed at Plot 4, Facing Southwest



Photograph 12. Overview of Habitat Observed at Plot 4, Facing North



Photograph 13. Soil Profile Observed at Plot 5



Photograph 14. Overview of Habitat Observed at Plot 5, Facing South



Photograph 15. Overview of Habitat Observed at Plot 5, Facing West





Photograph 17. Overview of Habitat Observed at Plot 6, Facing West



Photograph 18. Overview of Habitat Observed at Plot 6, Facing East



Photograph 19. Overview of Habitat Observed in Batture, Facing West



Photograph 20. Large Drainage Canal Along the Southern Boundary of the Property, Facing Upstream from Midpoint of Boundary



Photograph 21. Large Drainage Canal Along the Southern Boundary of Property at West End, Facing Northwest (upstream)



Photograph 22. Typical Agriculture Drainage Ditch within the Agriculture Fields North of LA Highway 3089



Photograph 23. Typical Agriculture Drainage Ditch within the Agriculture Fields South of LA Highway 3089