August 2, 2012

Exhibit U. Record Industrial Park Wetlands Determination Report

Baton Rouge Area Chamber ATTN: Jim Cavanaugh 564 Laurel Street Baton Rouge, LA 70801

RE: Wetland Delineation – Neil Record Property

Dear Mr. Cavanaugh,

Land Management Group (LMG) was tasked by the Baton Rouge Area Chamber to conduct a wetland delineation on a 20-acres site located in East Feliciana Parish near Clinton, Louisiana (Appendix A, Figure 1). The purpose of this investigation was to provide a professional opinion regarding potential jurisdictional wetlands and waters of the U.S. present within the subject property.

Wetland Delineation

LMG biologists conducted an on-site inspection on August 1, 2012. The area was delineated using the 1987 Wetland Delineation Manual (USACE 1987) and the Atlantic and Gulf Coastal Plain Region Regional Supplement (USACE 2008). Copies of the wetland data forms have been included as Appendix B. Photographs of the property are included in Appendix C.

Vegetation

The subject property supports two distinct vegetation communities. The eastern half appears to have been cleared a few years ago and is now being allowed to re-vegetate naturally. Dominate species include sweet gum (*Liquidambar styraciflua*), loblolly pine (*Pinus taeda*), Chinese tallow (*Triadica sebifera*), southern dewberry (*Rubus trivialis*), Groundseltree (*Baccharis halmifolia*), Chinese privet (*Ligustrum sinense*), and broomsedge (*Andropogon virginicus*). The western half appears to have been used as a gravel borrow area in the past and supports very little vegetation. Dominant species include Loblolly pine and bahia grass (*Paspalum notatum*). Hydrophytic vegetation was noted at sample plots A and B (see Appendix B).

Hydrology

Wetland hydrology was determined by on-site visual observation of geomorphic and hydrologic characteristics. No wetland hydrology indicators were observed at any of the four sample plot locations (see Appendix B).

Soils

Soils information for the subject property was obtained from the USDA web soil survey http://websoilsurvey.nrcs.usda.gov/app/ (Appendix A, Figure 2). The subject property contains Smithdale sandy loam (Sm) and Tangi silt loam (Ta). Neither of these soils is listed on the National List of Hydric Soils. No hydric soil indicators were observed at any of the four sample plot locations (see Appendix B).

Summary of Findings

Hydrophytic vegetation was observed at sample plots A and B. No indicators of hydrology were observed at any of the four sample plots. Additionally, no hydric soil indicators were observed at any of the four sample plots (Appendix A, Figure 3).

None of the four sample plots met all three criteria for a wetland as defined by the USACE; therefore, it is our professional opinion that the 20-acre subject property contains no jurisdictional wetlands or waters of the U.S.

Please do not hesitate to call if you have any questions or need additional information regarding this effort.

Sincerely,

Stephen Smith Senior Biologist

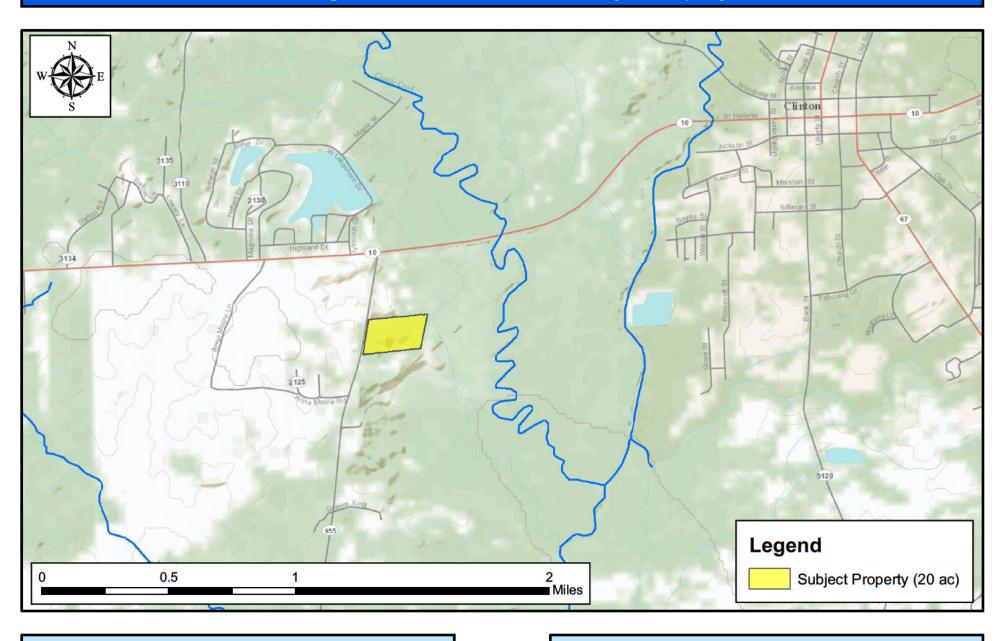
Attachments

cc: Jerry Bolton, LMG

Stepher Smith

Appendix A Figures

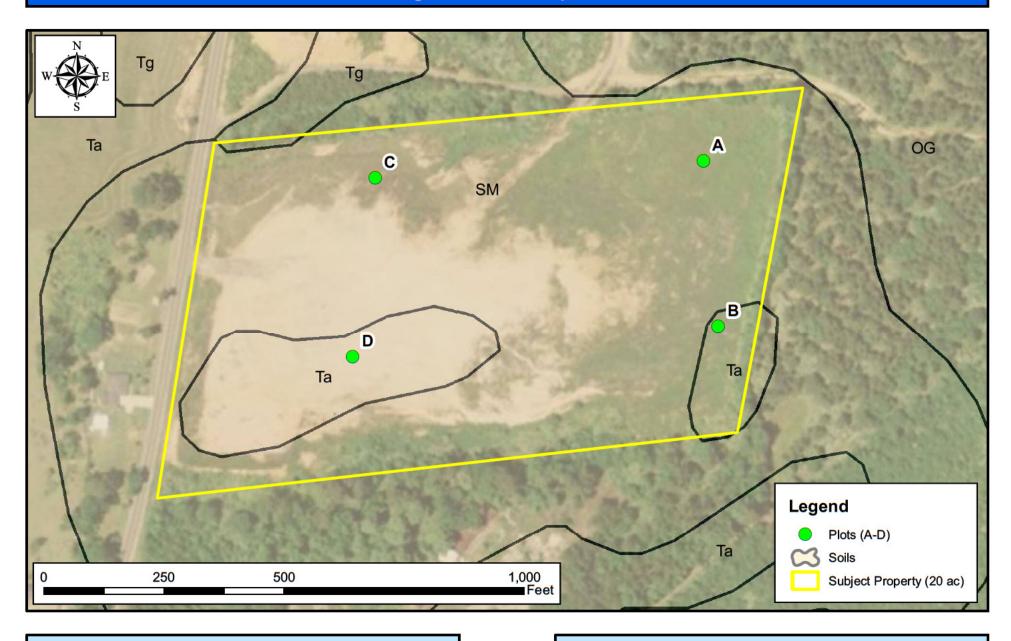
Figure 1. General Location of Subject Property



Land Management Group, LLC.

Date: August 2, 2012

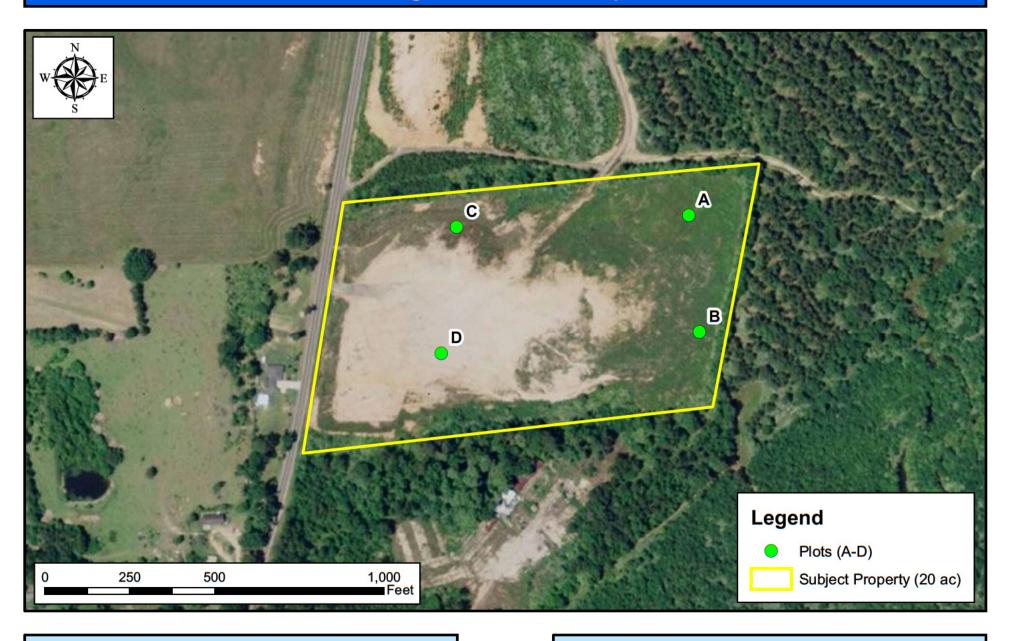
Figure 2. Soils Map



Land Management Group, LLC.

Date: August 2, 2012

Figure 3. Delineation Map



Land Management Group, LLC.

Date: August 2, 2012

Appendix B Data Forms

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region City/County: East Feliciana Sampling Date: 8/1/12 State: LA Sampling Point: Investigator(s): S. Smith & Ju. Leblanc Section, Township, Range: SEC 86 TO25 ROZE Landform (hillslope, terrace, etc.): h: 11 slope Local relief (concave, convex, none): Concave Slope (%): 47 Lat: 30° 51' 16.0" N Long: 91° 2' 41.6" W Subregion (LRR or MLRA): LRE - P Datum: NAD 83 Soil Map Unit Name: Smithdale Sandy loan NWI classification: _PFOI A Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.) Are Vegetation <u>No</u>, Soil <u>No</u>, or Hydrology <u>No</u> significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation N_{\bullet} , Soil N_{\bullet} , or Hydrology N_{\bullet} naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: All three criteria not met - Non- Jurisditetional

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) (LRR U) Saturation (A3) Hydrogen Sulfide Odor (C1) Water Marks (B1) Oxidized Rhizospheres along Living Roman Sediment Deposits (B2) Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C4) Algal Mat or Crust (B4) Thin Muck Surface (C7) Iron Deposits (B5) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No √ Depth (inches): >25	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspecti	ons), if available:
No primary or secondary indicators ob	served

20'	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30'	% Cover			Number of Dominant Species That Are ORL FACW or FAC:
•				That Are OBL, FACW, or FAC: (A)
·				Total Number of Dominant
				Species Across All Strata:(B)
				Percent of Dominant Species
				Percent of Dominant Species That Are OBL, FACW, or FAC:
	Ø	= Total Cov	/er	Prevalence Index worksheet:
50% of total cover:	20% of	total cover	:	Total % Cover of: Multiply by:
apling Stratum (Plot size:30')				OBL species x 1 =
Liguidambar Styraciflua	15	Y	FAC	FACW species x 2 = FAC species x 3 = 330
Pinus taeda	10	Ÿ	FAC	
Triadica sebifera	5	7	FAC	FACU species x 4 = 80
			THE	UPL species x 5 =
				Column Totals: 130 (A) 410 (B
	-20			Prevalence Index = B/A = 3.15
		= Total Cov		Hydrophytic Vegetation Indicators:
50% of total cover:15	20% of	total cover	:_ _	1 - Rapid Test for Hydrophytic Vegetation
nrub Stratum (Plot size:)				₹ 2 - Dominance Test is >50%
Liquidambar styraciflua	20	_Y_	FAC	3 - Prevalence Index is ≤3.0¹
Triadica Sebifera	20	Y	FAC	Problematic Hydrophytic Vegetation¹ (Explain)
	20	Y	FACU	Problematic Hydrophytic Vegetation (Explain)
Baccharis halmifolia		7	FAC	1,
Ligostrom sinense	15	1	FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
•			THE	
				Definitions of Five Vegetation Strata:
		= Total Cov		Tree – Woody plants, excluding woody vines,
50% of total cover: 45	20% of	total cover	18	approximately 20 ft (6 m) or more in height and 3 in.
erb Stratum (Plot size:30')		. /		(7.6 cm) or larger in diameter at breast height (DBH).
Androposon Virginicus	10	<u>Y</u>	FAC	Sapling – Woody plants, excluding woody vines,
, 5				approximately 20 ft (6 m) or more in height and less
				than 3 in. (7.6 cm) DBH.
				Shrub – Woody plants, excluding woody vines,
				approximately 3 to 20 ft (1 to 6 m) in height.
				Harb All barbassaus (son woods) plants including
				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.
)				Troody vines, regardless of height.
1,				
		= Total Cov		
50% of total cover:5	20% of	total cover	_ a	
oody Vine Stratum (Plot size: 30')				
				Hydrophytic
	$\underline{\varphi}$	= Total Cov	er	Vegetation Present? Yes No
50% of total cover:	20% of	total cover		Present? Yes No
emarks: (If observed, list morphological adaptations belo				L

Sampling Point: ____A

Profile Description: (Describe to the depth needed to document the indicator or confirm	m the absence of indicators.)
Depth Matrix Redox Features	
(inches) Color (moist) % Color (moist) % Type ¹ Loc ²	<u>Texture</u> Remarks
0-20 104R414 100 None	loam
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T,	U) 1 cm Muck (A9) (LRR O)
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5) Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6)	(MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	Red Parent Material (TF2)
Muck Presence (A8) (LRR U) Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151)	
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P.	, , , , , , , , , , , , , , , , , , , ,
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B)	
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 14	12.12 (1.13) property approximately approxim
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLF	DA 140A 153C 153D\
	RA 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)	(A 149A, 103C, 103D)
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed):	RA 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks: No hydric soil indicators observed	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks: No hydric soil indicators observed	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks: No hydric soil indicators observed	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks: No hydric soil indicators observed	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks: No hydric soil indicators observed	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks: No hydric soil indicators observed	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Remarks: No hydric soil indicators observed	

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Neil Record Property City/Cou	unty: <u>East Feliciana</u> Sampling Date: 8/1/12
Applicant/Owner: Baton Rouge Area Chamber	State: LA Sampling Point:
1 • • • • • • • • • • • • • • • • • • •	Township, Range: SEC 86 TO25 ROZE
–	. ,
	2.6"1 Long: -91° 2' 41.2" W Datum: NAD 83
Soil Map Unit Name: Tangi silt loam (Ta)	NWI classification: PFOIA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation <u>%</u> , Soil <u>%</u> , or Hydrology <u></u> significantly disturbe	ed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology on aturally problemation	c? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing samp	ling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	s the Sampled Area
Wetland Hydrology Present? Yes No	within a Wetland? Yes No
Remarks:	
All three criteria not met ->	Non-Jurisdictional
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)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LRR U	U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (C1)) Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhizospheres alor	ng Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduced Iron (
Drift Deposits (B3) Recent Iron Reduction in Ti	illed 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)	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9) Field Observations:	Sphagnum moss (D8) (LRR T, U)
	00
Surface Water Present? Yes No Depth (inches): No Depth (inches): Yes No Yes No Depth (inches): Yes No Yes Yes No Yes Yes No Yes Y	
Saturation Present? Yes No Depth (inches): 76	
(includes capillary fringe)	Wetland Hydrology Present? Yes No ✓
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	ous inspections), if available:
Remarks:	

VEGETATION (Five Strata) - Use scientific name	•			Sampling Point:
	% Cover	Dominant Species?	Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3.				Total Number of Dominant Species Across All Strata: (B)
4.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
50% of total cover:		= Total Cover		Prevalence Index worksheet:
Sapling Stratum (Plot size:) 1				OBL species
2				FACU species x 4 =
5 6				Column Totals: <u>104</u> (A) <u>342</u> (B) Prevalence Index = B/A = <u>3.29</u>
		= Total Cov		Hydrophytic Vegetation Indicators:
50% of total cover: Shrub Stratum (Plot size:3o')	_ 20% of	total cover		1 - Rapid Test for Hydrophytic Vegetation
1. Baccharis halmifolia	20	Υ	FAC	✓ 2 - Dominance Test is >50%
2 Liquistrum Sinense	20	Ť	FAC	3 - Prevalence Index is ≤3.0¹
3. Rubus trivialis	20	Ý	FACU	Problematic Hydrophytic Vegetation¹ (Explain)
	10	Ü	FAC	¹ Indicators of hydric soil and wetland hydrology must
5 Liquidamber Styraciflua	10	N	FAC	be present, unless disturbed or problematic.
6. Solidago altissima	10	N	FACU	Definitions of Five Vegetation Strata:
50% of total cover: 45 Herb Stratum (Plot size: 30') 1. Andro pogon Virginicus 2.	_ 20% of		FAC	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, approximately 20 ft (6 m) or more in height and less
3				than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
5				Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
7				plants, except woody vines, less than approximately 3 ft (1 m) in height.
10				Woody vine – All woody vines, regardless of height.
50% of total cover: 5		= Total Cov total cover:		
1. Vitis rotundifolia	4_	<u>Y_</u>	FAC	
3				
4				
5				Hydrophytic
50% of total cover: 2	_ 20% of	= Total Cov total cover:		Vegetation Present? Yes No
Remarks: (If observed, list morphological adaptations below	').			
Cutover that has been allow	ed to	s reve	o getat	re naturally - Scrub

	0	
Sampling Point:	$\boldsymbol{\wp}$	

Profile Description: (Describe to the depth needed	to document the in	ndicator or confirm	n the absence of indicators.)
Depth Matrix	Redox Features		T
(inches) Color (moist) % Color (moist)		Type¹ Loc²	Texture Remarks
0-20 7.5 /R 4 6 100 Mone			3:14 loam
			-
¹ Type: C=Concentration, D=Depletion, RM=Reduced	Matrix MC-Masked	Cond Coning	21 and in the Development of the State of th
Hydric Soil Indicators: (Applicable to all LRRs, unl			² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
	yvalue Below Surfac n Dark Surface (S9)		
	amy Mucky Mineral (2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A,B)
	amy Gleyed Matrix (F		Piedmont Floodplain Soils (F19) (LRR P, S, T)
	pleted Matrix (F3)	2)	Anomalous Bright Loamy Soils (F20)
	dox Dark Surface (F	6)	(MLRA 153B)
	pleted Dark Surface		Red Parent Material (TF2)
	dox Depressions (F8	3)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T) Ma	rl (F10) (LRR U)		Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Dep	pleted Ochric (F11) (MLRA 151)	
Thick Dark Surface (A12) Iron	n-Manganese Masse	es (F12) (LRR O, P,	T) ³ Indicators of hydrophytic vegetation and
	bric Surface (F13) (I		wetland hydrology must be present,
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	ta Ochric (F17) (ML	30	unless disturbed or problematic.
	duced Vertic (F18) (I		
	dmont Floodplain So		
	omaious Bright Loan	ny Solis (F20) (MLR	RA 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed):			T
Type:			
Depth (inches):			Hydric Soil Present? Yes No
Remarks:			
1 1 1		(
No hydric soil indicat	ors obs	erved	
•			

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site: Neil Record Property City/County: East Feliciana Sampling Date: 8/1/12 Applicant/Owner: Baton Rouge Area Chamber State: LA Sampling Point: C Investigator(s): S. Smith & Ju. Leblanc Section, Township, Range: SEC 86, TO23 ROJE Landform (hillslope, terrace, etc.): ___Flat Local relief (concave, convex, none): Lat: 38° 51' 15.7" N Long: -91° 2' 49.5" Subregion (LRR or MLRA): W Datum: NAD 83 Soil Map Unit Name: Smithdale NWI classification: PFOIA Are climatic / hydrologic conditions on the site typical for this time of year? Yes _ (If no, explain in Remarks.) Are Vegetation No., Soil No., or Hydrology No. significantly disturbed? Are "Normal Circumstances" present? Yes_ Are Vegetation , Soil , or Hydrology , naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: None of the three criteria met - Non - Jurisditional 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) Sparsely Vegetated Concave Surface (B8) ___ High Water Table (A2) __ Drainage Patterns (B10) __ Marl Deposits (B15) (LRR U) __ 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) Other (Explain in Remarks) ___ Iron Deposits (B5) _ 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: Yes No Depth (inches): None Surface Water Present? Water Table Present? Saturation Present? Wetland Hydrology Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: No primary or secondary indicators observed

/EGETATION (Five Strata) - Use scientif		Dominant Indicate	Sampling Point:
Tree Stratum (Plot size: 30')		Species? Status	N 10 10 10 10 10 10 10 10 10 10 10 10 10
1			That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			_ Species Across All Strata: (B)
1			Percent of Dominant Species
5			Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
5			
	Ø	= Total Cover	Prevalence Index worksheet:
50% of total cover:	20% of	total cover:	Total % Cover of: Multiply by:
Sapling Stratum (Plot size: 30')		,	OBL species x 1 =
Pinus taeda	40	Y FAC	FACW species x 2 =
			FAC species x3 = x3 =
3			FACU species x 4 =
			UPL species x 5 =
5.			Column Totals:(A)(B)
3.			Prevalence Index = B/A =
	40	= Total Cover	Hydrophytic Vegetation Indicators:
50% of total cover:			
Shrub Stratum (Plot size: 30')			1 - Rapid Test for Hydrophytic Vegetation
Ambrosia artemisiifolia	25	Y FACU	2 - Dominance Test is >50%
Rubus trivialis	20	Y FACE	_ S-Frevalence index is 35.0
Bolidago altissima	20	Y FAC	— i lobicinatio i lydropriytic vegetation (Explain)
Singled WH SSTATE		FAC	2
			Indicators of hydric soil and wetland hydrology must
5			be present, unless disturbed or problematic.
3			_ Definitions of Five Vegetation Strata:
	1022/000	= Total Cover	Tree - Woody plants, excluding woody vines,
50% of total cover:	20% of	total cover: 13	approximately 20 ft (6 m) or more in height and 3 in.
Herb Stratum (Plot size:3o')	_		(7.6 cm) or larger in diameter at breast height (DBH).
Andropogon virginicus		Y FAC	Sapling – Woody plants, excluding woody vines,
			 approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
s			than 3 in. (7.6 cm) DBH.
l			Shrub – Woody plants, excluding woody vines,
i			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.
			_ Sit (1 m) in neight.
0			Woody vine - All woody vines, regardless of height.
1			-
		= Total Cover	
50% of total cover	1921 1934	total cover:	
Noody Vine Stratum (Plot size:	20% 01	total cover.	-
)		
1			-
2			-
3			-
4			-
5			- Hydrophytic
		= Total Cover	Vegetation
50% of total cover:	200/ -	total cover:	Present? Yes No

US Army Corps of Engineers

Scrub vegetation with volunteer Pines

Sampling Point: _______

Profile Description: (Describe to the depth needed to document the indicator or confirm	the absence of indicators.)				
Depth Matrix Redox Features					
(inches) Color (moist) % Color (moist) % Type Loc2	Texture Remarks				
0-20 7.54R414 100 None	Sandy loam gravel mix				
¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.				
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :				
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U					
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)				
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)				
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)				
Stratified Layers (A5) Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)				
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6)	(MLRA 153B)				
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	Red Parent Material (TF2)				
Muck Presence (A8) (LRR U) Redox Depressions (F8)	Very Shallow Dark Surface (TF12)				
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U)	Other (Explain in Remarks)				
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151)	3				
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	, , , ,				
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	wetland hydrology must be present, unless disturbed or problematic.				
Sandy Gleyed Matrix (S4) — Reduced Vertic (F18) (MLRA 150A, 150B)	unless disturbed of problematic.				
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149)	9A)				
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLR/					
Dark Surface (S7) (LRR P, S, T, U)					
Restrictive Layer (if observed):					
Type:	*				
Depth (inches):	Hydric Soil Present? Yes No				
Remarks:					
No hydric soil indicators observed					
Land and Market and Ma					

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: Neil Record Property City/County: East Feliciana Sampling Date: 8/1/12
Applicant/Owner: Baton Rouge Area Chamber State: LA Sampling Point: D
Investigator(s): S. Smith & Ju. Leblanc Section, Township, Range: SEC 86, TO25 ROZE
_
Soil Map Unit Name: Tangi 5:1+ loam (Ta) NWI classification: PFOIA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation _No_, Soil _No_, or Hydrology _No_ significantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No No No Yes No Within a Wetland? Yes No Within a Wetland?
None of the three criteria met -> Mon-Jurisdictional
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) 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)
Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)
Iron Deposits (B5)
Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5)
Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U)
Field Observations:
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes No Depth (inches):
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
No primary or secondary indicators observed
, to primary or a carry in

2 /		Dominant		Dominance Test worksheet:		
Tree Stratum (Plot size: 3o'))				Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
2.				to the second se		(1.1)
3.				Total Number of Dominant Species Across All Strata:	2	(B)
i.				Species Across All Strata.		(D)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:	50%	(A/B
3.				That Ale OBL, FACW, 01 FAC.		, (٨٥,
	- - 6	= Total Cov	er	Prevalence Index worksheet:		
50% of total cover:				Total % Cover of:	Multiply by:	_
Sapling Stratum (Plot size:30')				OBL species x		
				FACW species x	2=	_
2.				FAC species 10 x	3 = <u>30</u>	_
				FACU species x		_
				UPL species x		_
5.				Column Totals:15 (A	50	_ (B)
3.				Prevalence Index = B/A =	3.0	
	Ø	= Total Cov	er	Hydrophytic Vegetation Indica		
50% of total cover:	20% of	total cover		1 - Rapid Test for Hydrophy		
Shrub Stratum (Plot size:)		,		2 - Dominance Test is >50%	-	
Pinus taeda	_10_	<u> </u>	FAC	3 - Prevalence Index is ≤3.0		
2.				Problematic Hydrophytic Ve	getation1 (Expla	ain)
3					, ,	,
l				¹ Indicators of hydric soil and wet	land hydrology i	must
j				be present, unless disturbed or p		maor
8				Definitions of Five Vegetation	Strata:	
	10	= Total Cov	er	Tree - Woody plants, excluding	woody vines	
50% of total cover:	20% of	total cover:	<u> </u>	approximately 20 ft (6 m) or mor	e in height and	
Herb Stratum (Plot size:)				(7.6 cm) or larger in diameter at	breast height (D)BH).
Paspelum notatum	5	<u> </u>	FACU	Sapling - Woody plants, exclud	ing woody vines	3,
2				approximately 20 ft (6 m) or more	e in height and l	less
3				than 3 in. (7.6 cm) DBH.		
l				Shrub - Woody plants, excluding		
i				approximately 3 to 20 ft (1 to 6 m	i) in height.	
3				Herb - All herbaceous (non-woo		
·				herbaceous vines, regardless of plants, except woody vines, less		
3				3 ft (1 m) in height.	пап арргохина	leiy
).						
0				Woody vine – All woody vines,	egardless of he	light.
1						
	5	= Total Cov	er			
50% of total cover: _ 2.	5 20% of	total cover:				
Noody Vine Stratum (Plot size:361)						
·						
2.						
3.						
l						
5.				Hydronhydia		
	d	= Total Cov	er	Hydrophytic Vegetation Present? Yes	1	

Area appears to have been used as gravel pit in the past

_	_		
_	_		
.3	u	•	_

Sampling Point: ______

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth Matrix R				x Features						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²			Remarks	
0-20	104R518	700	None	_			Sand	grave	el mix	
	oncentration, D=Dep					ains.		PL=Pore Lin		
Hydric Soil	Indicators: (Applic	able to all	LRRs, unless other	wise note	ed.)			for Problem	-	Soils ³ :
Histosol			Polyvalue Be					luck (A9) (LR		
	pipedon (A2)		Thin Dark Su					luck (A10) (L		
	stic (A3) en Sulfide (A4)		Loamy Muck			(0)				MLRA 150A,B) (LRR P, S, T)
	d Layers (A5)		Depleted Ma		(2)			lous Bright L		
	Bodies (A6) (LRR F	, T, U)	Redox Dark		6)			RA 153B)	ourny conc	(1.20)
	ucky Mineral (A7) (LI		Depleted Dar					arent Material	I (TF2)	
Muck Pr	resence (A8) (LRR L	J)	Redox Depre	ssions (F	8)			hallow Dark S		12)
7-5-7-3-1	ıck (A9) (LRR P, T)		Marl (F10) (L				Other (Explain in Re	emarks)	
	d Below Dark Surfac	e (A11)	Depleted Oct							
2000	ark Surface (A12)	DA 1504	Iron-Mangan					ators of hydro	-	
	rairie Redox (A16) (I lucky Mineral (S1) (I		Umbric SurfaDelta Ochric			, 0)		land hydrolog ess disturbed		1.51.000.000.00
	Gleyed Matrix (S4)	LRR 0, 3)	Reduced Ver			0A. 150B)		ess disturbed	or problema	ilic.
	Redox (S5)		Piedmont Flo							
	Matrix (S6)						A 149A, 153C,	153D)		
7.	rface (S7) (LRR P, S	S, T, U)			,	, .	•	•		
Restrictive	Layer (if observed)	:								
Type:										/
Depth (in	ches):						Hydric Soil	Present?	Yes	No_✓
Remarks:							•			
No	hydric s	al in	franker 1	when	284					
7.0	190110 3	שורייונ	ileators (044					
-										
				•						

Appendix C Site Photographs



Photo 1. Sample Plot 1.



Photo 2. Sample Plot 2.



Photo 3. Sample Plot 3.



Photo 4. Sample Plot 4.