Exhibit CC. Beauregard Airport Industrial Site Wetlands Delineation Report





Beauregard Airport Industrial Site Wetlands Delineation Report

WETLAND DELINEATION BEAUREGARD REGIONAL AIRPORT TRACT BEAUREGARD PARISH, LOUISIANA

Prepared for:

SJB Group, LLC P.O. Box 1751 Baton Rouge, Louisiana 70821

December 21, 2015

C. Blaine Johnson P.E Senior Engineer

Čleveland R. Hoffpauir Environmental Scientist

Prepared by:

Arabie Environmental Solutions, LLC. P.O. Box 928 Lake Charles, Louisiana 70602 (337) 436-3248

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SUMMARY

A tract of land totaling approximately 1,180 acres located south of Highway 190 and west of Old Airport Road in DeRidder, Beauregard Parish, Louisiana was evaluated for the presence of jurisdictional wetlands. The wetland delineation was performed in accordance with the procedures and methods as described in the U.S. Department of the Army Corps of Engineers (COE) 1987 Manual for Wetland Delineations and the Atlantic and Gulf Coastal Plain Regional Supplement 2010. Based on the Soil Survey of Beauregard Parish, soils present on the property consists of Beauregard silt loam, 1 to 3 percent slopes, Beauregard silt loam, 3 to 5 percent slopes, Blevins very fine sandy loam, 1 to 3 percent slopes, Blevins very fine sandy loam, 3 to 5 percent slopes, Caddo-Messer complex, 0 to 1 percent slopes, Guyton silt loam, 0 to 1 percent slopes, occasionally flooded, Guyton-Ouachita silt loams, frequently flooded, Malbis fine sandy loam, 1 to 3 percent slopes, and Malbis fine sandy loam, 3 to 5 percent slopes. The vast majority of the property consists of pine plantation. A seed orchard is located in the western portion of the property. Brushy Branch traverses the tract from north to south near the center and a tributary of Cowpen Creek is located in the northeastern portion of the tract. Two ponds are located on the tract.

Based on the results of this delineation approximately 942.5 acres of non-wetlands and 236.7 acres of wetlands were identified on the tract. 203.7 acres of these wetlands are pine plantation, and 33 acres are bottomland hardwood forest. In addition to wetlands, the aforementioned creeks and 0.77 acres of ponds on the tract will likely be considered "other waters" by the Corps of Engineers.

1.0 INTRODUCTION

Arabie Environmental Solutions, LLC. (Arabie Environmental) was retained to conduct a wetland delineation of property located west of the Beauregard Regional Airport in DeRidder, Beauregard Parish, Louisiana. The tract is located in Sections 1, 2, 3, 10, 11 and 12, Township 03 South, Range 10 West. The center of the property is located at Latitude 30° 49' 15.65" Longitude 93° 21' 34.64". The purpose of the delineation was to evaluate the tract for the potential presence of wetlands. A site location map is included as **Figure 1** and a site diagram is included as **Figure 2**. Light Detection and Ranging (LIDAR) imagery was reviewed and is included as **Figure 3**.

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

2.0 METHODOLOGY

The wetland delineation performed by Arabie Environmental was conducted in accordance with technical guidelines and methods for wetland delineations set forth by the U.S. Department of the Army Corps of Engineers (COE) in the 1987 Manual for Wetland Delineations and the Atlantic and Gulf Coastal Plains Regional Supplement 2010. These technical guidelines and methods utilize a multi-parameter approach to identify and delineate wetlands for the purposes of Section 404 of the Clean Water Act. According to the COE 1987 Manual for Wetland Delineations, a site must have hydrophytic vegetation, hydric soils, and wetland hydrology in order for it to be classified as a wetland.

The following definitions are from the COE 1987 Manual for Wetland Determinations:

- **Hydrophytic vegetation** the sum total of macrophytic plant life growing in water or on a substrate that is at least periodically deficient in oxygen as a result of excessive water content. When hyrophytic vegetation comprises a community where indicators of hydric soils and wetland hydrology also occur, the area has wetland vegetation.
- Wetland soils a soil that is saturated, flooded, ponded long enough during the growing season to develop anaerobic conditions that favor the growth and regeneration of hydrophytic vegetation (US Department of Agriculture Soil Conservation Service 1985). Hydric soils that occur in areas having positive indicators of hydrophytic vegetation and wetland hydrology are wetland soils.
- **Wetland hydrology** the sum total of wetness characteristics in areas that are inundated or have saturated soils for sufficient duration to support hydrophytic vegetation.

Prior to the site visit, the Web Soil Survey prepared by the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS) was reviewed. The purpose of that review was to determine the soil types as mapped by USDA. As indicated by the Web Soil Survey, soils on the delineated site include nine soil types: Beauregard silt loam, 1 to 3 percent slopes (BdB), Beauregard silt loam, 3 to 5 percent slopes (BdC), Blevins very fine sandy loam, 1 to 3 percent slopes (BpB), Blevins very fine sandy loam, 3 to 5 percent slopes (CdA), Guyton silt loam, 0 to 1 percent slopes, occasionally flooded (GtA), Guyton-Ouachita silt loams, frequently flooded (GYA), Malbis fine sandy loam, 1 to 3 percent slopes (MbB), and Malbis fine sandy loam, 3 to 5 percent slopes (MbC). CdA, GtA, and GYA soil types are listed as hydric Beauregard Parish. In addition to the soils map, an infrared aerial photographs from 2004 and 2008 were also reviewed. The soils maps and infrared photographs reviewed are included as **Attachment B**.

The delineation was begun by traversing the site and making a general evaluation of the topography and drainage features. After a general evaluation of the tract, eight transects were traversed in the areas mapped CdA to determine the percentage of wetlands in these

areas. These soils exhibited a "pimple mounded" topography with wetlands and nonwetlands so intermingled that they could not be mapped separately.

Transects 1, 2 and 3 were traversed in the southeastern portion of the property. This area exhibited a "pimple mounded" topography which is typical of this soil type. This area was determined to be 38% wetlands based on the results of these transects.

Transects 4, 5 and 6 were traversed in the west and northwest portions of the property. This area also exhibited a "pimple mounded" topography which is typical of this soil type. This area was determined to be 36% wetlands based on the results of these transects.

Transects 7 and 8 were traversed in the northeastern portion of the property. The results of these transects revealed this area to contain approximately 31% wetlands.

Along each transect, wetlands and non-wetlands were measured. The percentage of wetlands found within the CdA mapped areas was determined from the results. The Transect Data Form is included as **Attachment C**.

The remainder of the wetlands on the site are associated with creeks and drainage features. The majority of the northern portions of the area adjacent to Brushy Branch consisted of high banks that are well drained. These areas were similar to Plot 5 did not demonstrate wetland characteristics. The southern area adjacent to Brushy Branch consist of floodplains and were determined to be wetlands. Additionally, the southern portion of the Cowpen Creek tributary exhibited wetland characteristics. Several drainage swales are present on the tract. These drainage swales were determined to be 100% wetlands.

Sample points were selected at appropriate locations to properly characterize the soil, vegetation, and hydrology. Thirteen representative sample points were selected and detailed evaluations were conducted at these locations. The data collected at these sample points were recorded on Wetland Data Forms. The Wetland Data Forms are included as **Attachment D**.

3.0 SITE DESCRIPTION

The delineated tract is irregular in shape and is approximately 1,180 acres. The property is located approximately 4 miles west of DeRidder, along and west of Old Airport Road. The vast majority of the tract consists of pine plantation in various stages of maturity with some areas recently clear cut. A seed orchard is located in the western portion of the property. Brushy Branch and a tributary of Cowpen Creek are located on the tract. Drainage swales associated with these creeks are scattered throughout the property. The majority of the portions of the property mapped BdB, BdC, BpB, BpC, MbB, and MbC are moderately well drained to well drained and did not demonstrate wetland characteristics. These areas generally sloped towards the creeks and/or drainage swales. The majority of the CdA soils on the site exhibit a "pimple mounded" topography with

wetlands in the intermound areas and non-wetlands on the mound areas. In these mounded areas the wetlands and non-wetlands are so intermingled that they could not be mapped separately. Transects were traversed to estimate the percentage of wetlands in these areas mapped CdA. Twelve areas were determined to contain 100% wetlands. These areas stay inundated and or saturated for long periods of time. The area directly adjacent to the seed orchard facility is maintained by periodic mowing and did not demonstrate wetland characteristics. Two ponds were noted on the tract and are shown on Figure 2.

Photographs of site features and data points were taken and are included as **Attachment E**.

4.0 FINDINGS

The tract of land was inspected with respect to the potential presence of wetlands. Thirteen sample points were selected to characterize both upland and wetland areas. At these sample points, the soils, hydrology and vegetation were characterized and the information recorded on Wetland Data Forms. The findings of the delineation are described in the following sections.

4.1 VEGETATION

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

UPLAND

Rhus copallinium (Winged Sumac)

FACULTATIVE UPLAND

Plantago virginica (Pale Seed Plantain) Rubus trivialis (Southern Dew Berry) Viburnum dentatum (Arrow-wood) Fagus grandifolia (American Beech) Vaccinium arboreum (Tree Sparkle Berry) Eupatorium capillifolium (Dogfennel) Schizachyrium scoparium (Little Bluestem)

FACULTATIVE

Ilex vomitoria (Yaupon) Triadica sebifera (Chinese Tallow) Pinus taeda (Loblolly Pine) Liquidambar styraciflua (Sweetgum) Smilax glauca (Cat Greenbrier) Morella cerifera (Wax Myrtle) Ligustrum sinense (Chinese Privet) Rubus argutus (Saw tooth Blackberry) Pinus palustris (Longleaf Pine) Muhlenbergia capillaris (Hair Awn Muhly) Gelsemium sempervirens (Evening Trumpet Flower) Andropogon virginicus (Broomsedge) Quercus nigra (Water Oak) Hamamelis virginiana (American Witch Hazel) Lygodium japonicum (Japanese Climbing Fern) Acer rubrum (Red Maple) Symplocos tinctoria (Sweetleaf) Ilex opaca (American Holly)

FACULTATIVE WET

Pinus elliottii (Slash Pine) Chasmanthium laxum (Slender Wood Oats) Panicum rigidulum (Redtop Panicum) Axonopus fissifolius (Southern Carpet Grass) Magnolia virginiana (Sweetbay Magnolia) Quercus laurifolia (Laurel Oak) Quercus michauxii (Swamp Chestnut Oak) Smilax laurifolia (Laurel Leaf Greenbier)

OBLIGATE WETLAND

Hyptis alata (Cluster Bush Mint) Carex glaucescens (Southern Waxy Sedge)

NO INDICATOR

Pinus echinata (Shortleaf Pine) *Solidago odora* (Fragrant Goldenrod)

4.2 SOILS

The review of the Soil Survey indicated that the delineated tract is located on nine soil types: Beauregard silt loam, 1 to 3 percent slopes (BdB), Beauregard silt loam, 3 to 5 percent slopes (BdC), Blevins very fine sandy loam, 1 to 3 percent slopes (BpB), Blevins very fine sandy loam, 3 to 5 percent slopes (BpC), Caddo-Messer complex, 0 to 1 percent slopes (CdA), Guyton silt loam, 0 to 1 percent slopes, occasionally flooded (GtA), Guyton-Ouachita silt loams, frequently flooded (GYA), Malbis fine sandy loam, 1 to 3 percent slopes (MbB), and Malbis fine sandy loam, 3 to 5 percent slopes (MbC). CdA, GtA, and GYA soil types are listed as hydric Beauregard Parish.

Below is a description, from the Beauregard Parish Soil Survey prepared by the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS), of the soils present on the property.

BdB soils are gently sloping and moderately well drained. They are on broad, slightly concave ridgetops. Areas are irregular in shape and range from 20 to 100 acres. Slopes range from 1 to 3 percent. This soil is not listed as hydric in Beauregard Parish.

BdC soils are moderately sloping and moderately well drained. They are on slightly concave side slopes. Areas are long and narrow and range from 20 to 85 acres. Slopes are short and smooth and range from 3 to 5 percent. This soil is not listed as hydric in Beauregard Parish.

BpB soils gently sloping and well drained. They are on convex ridgetops. Areas are irregular in shape and range from 20 to 300 acres. Slopes are generally long and smooth and range from 1 to 3 percent. A few small areas have mounded surfaces. This soil is not listed as hydric in Beauregard Parish.

BpC soils are moderately sloping and well drained. They are on convex ridgetops and side slopes. Areas are irregular in shape and range from 20 to 300 acres. Slopes are generally long and smooth and range from 3 to 5 percent. This soil is not listed as hydric in Beauregard Parish.

CdA soils are level to gently sloping and poorly drained to moderately well drained. The Caddo soil is on broad flats and the Messer soil is on small, convex mounds. The mounds are generally circular in shape and range from 30 to 150 feet across and from 1 to 6 feet in height. The mounds have been smoothed for cultivation in some areas. Areas are irregular in shape and range from 30 to 1,500 acres. Slopes are 0 to 1 percent. This soil is listed as hydric in Beauregard Parish.

GtA soils are level to nearly level and poorly drained. They are in narrow depressional areas and drainagways that occasionally flood. Areas are irregular in shape and range from 40 to 1,000 acres. This soil is listed as hydric in Beauregard Parish.

GYA soils are level to nearly level and are poorly drained and well drained. The Guyton soil is on low flats; the Ouachita soil is on low ridges. These soils are located in flood plains. Areas are elongated and can be up to several thousand acres. This soil is listed as hydric in Beauregard Parish.

MbB soils are gently sloping and are moderately well drained. They are on broad convex ridgetops. Slopes generally are long and smooth and range from 1 to 3 percent. Areas are irregular in shape and range from 20 to 300 acres. This soil is not listed as hydric in Beauregard Parish.

MbC soils are moderately sloping and are moderately well drained. They are on broad convex ridgetops and side slopes. Slopes are generally long and smooth and range from

3 to 5 percent. Areas are irregular in shape and range from 20 to 300 acres. This soil is not listed as hydric in Beauregard Parish.

4.3 HYDROLOGY

General observations and inspections of soil samples were performed to evaluate for wetland hydrology. Primary indicators include surface water, water stained leaves, saturated soil, oxidized rhizospheres along living roots and water marks. During the course of this delineation, primary and secondary indicators were noted on portion of the tract. One primary indicator or two secondary indicators has to be present for an area to have wetland hydrology.

5.0 CONCLUSIONS

A 1,180-acre tract located along Old Airport Road in DeRidder, Beauregard Parish, Louisiana was evaluated for the presence of jurisdictional wetlands. The wetland delineation was performed in accordance with the procedures and methods as described in the COE 1987 Manual for Wetland Delineations. Based on the results of this delineation, wetlands were identified on portions of the property.

The CdA soils on the investigated property exhibits a "pimple mounded" topography with non-wetlands on the mound areas and wetland in the intermound areas. Eight transects were traversed in these mounded areas. The results of these transects were used to determine the percentage of wetlands and non-wetlands in areas observed to have similar characteristics (See Figure 2). Twelve areas were identified to contain 100% wetlands. The remainder of the tract appeared to be well drained and did not demonstrate characteristics typical of a wetland.

Based on the results of this delineation, approximately 236.7 acres of wooded wetlands were identified on the property. 203.7 acres of these wetlands are pine plantation, and 33 acres are bottomland hardwood forest. Approximately 12,500 linear feet of creeks and 0.77 acre of ponds located on the property will likely be considered "other waters" by the Corps of Engineers.

FIGURE 1

Site Location Map

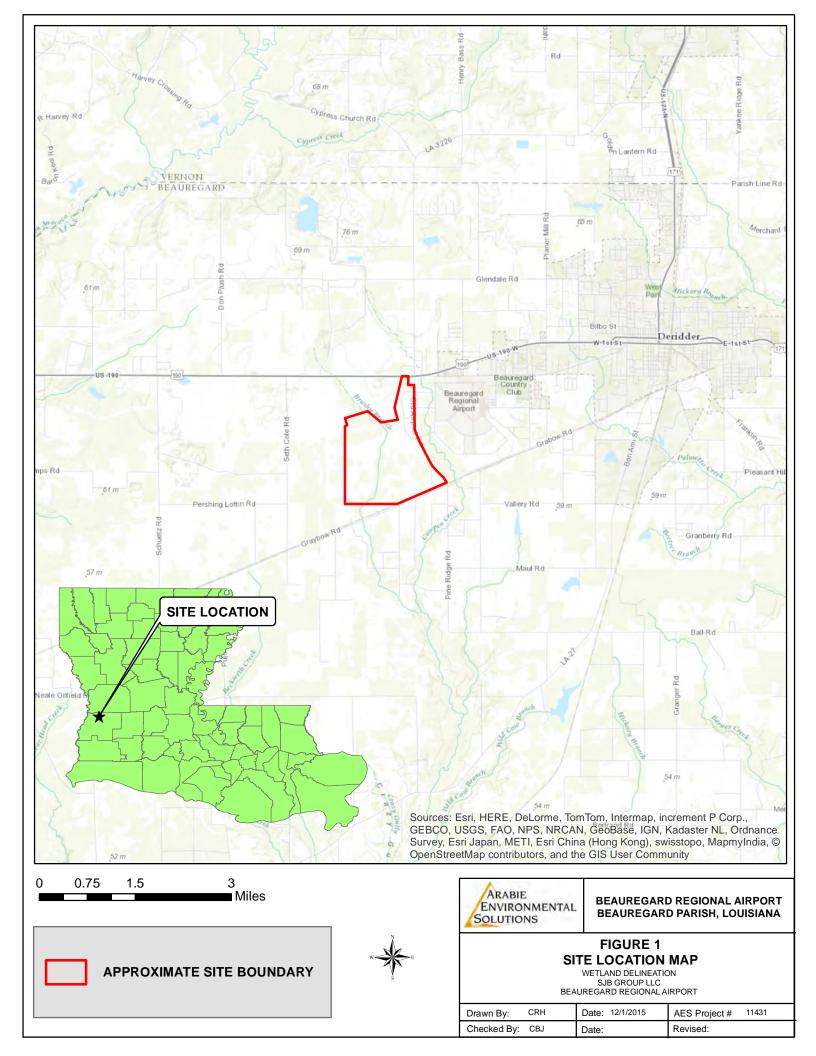


FIGURE 2

Site Diagram

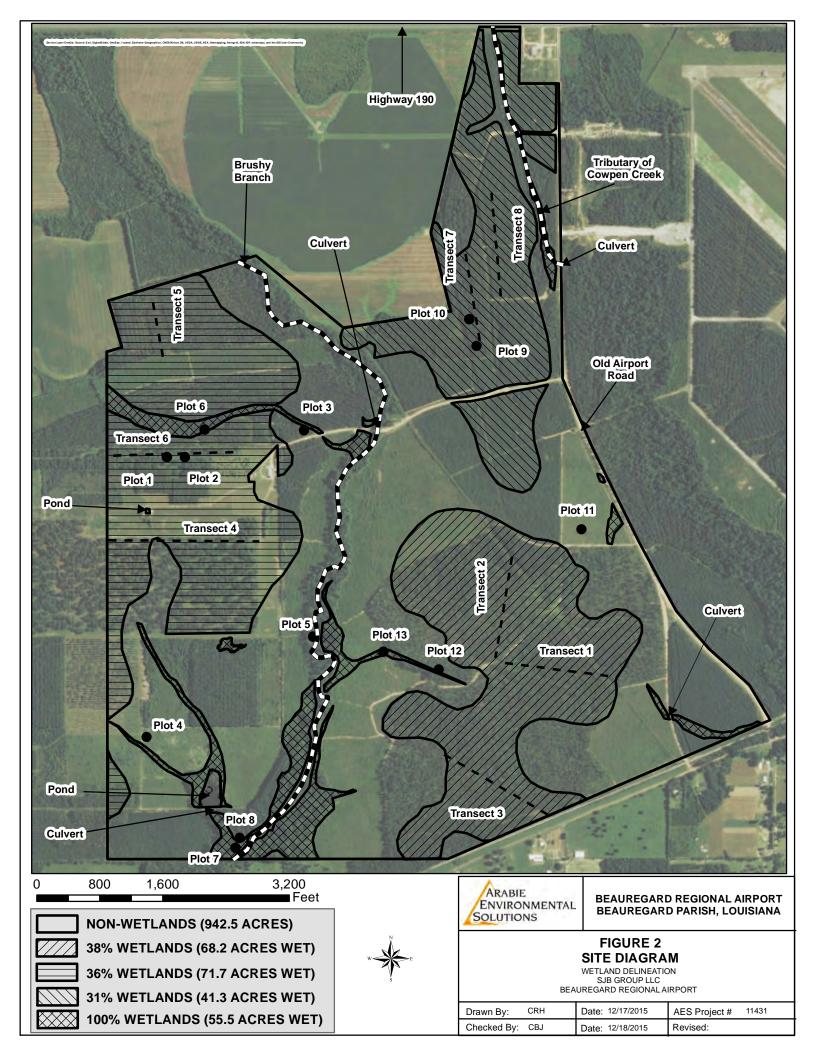
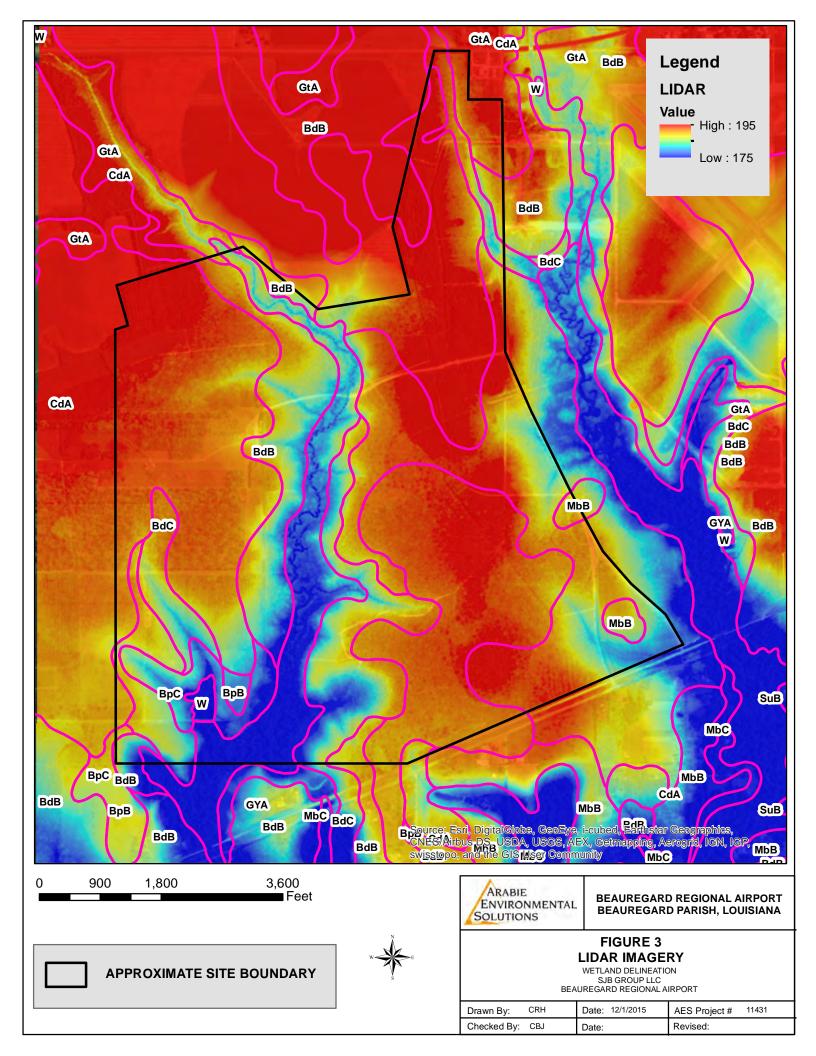


FIGURE 3

LIDAR Imagery



ATTACHMENT A

Certificates of Training

Richard Chinn Environmental Training, Inc.

certifies that

Cleve Hoffpauir

has successfully completed a

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

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



Richard Chinn, PWS, CET,

Richard Chinn Environmental Training, Inc. 804 Cottage Hill Way, Brandon, FL 33511-8098 1.800,427.0307 • FAX: 1.888.457.6331 • info@richardchinn.com • http://www.richardchinn.com

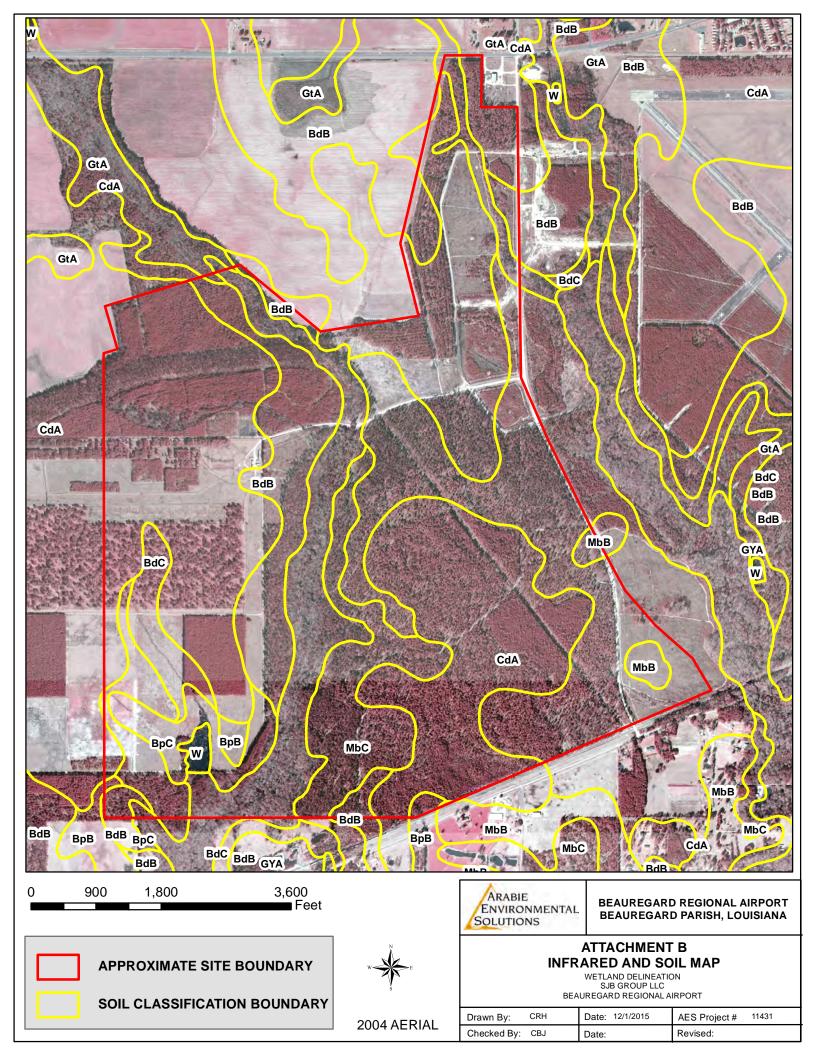
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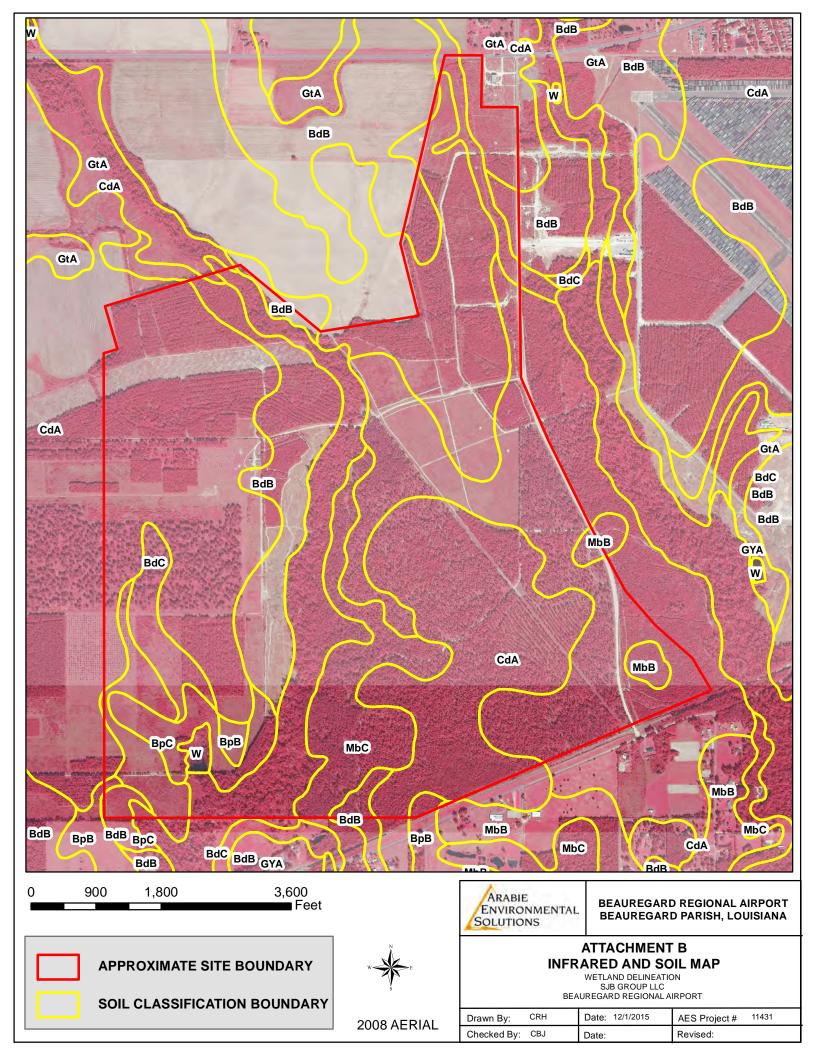
This training has been based in part on the U.S. Army Corps of Engineers Wellands Delineation Manual Technical Report Y-87-1 (1987 manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Welland Delineator Certification Brogram.



ATTACHMENT B

Infrared and Soil Maps





ATTACHMENT C

Transect Data

PROJECT/SITE: Beauregard Airport	Tract APPLICANT/OWNER: SJB Group LLC	
TRANSECT ID #: 1	INVESTIGATOR(S): C. Hoffpauir	
LOCATION: CdA soil type, trave	rsing from east to west.	

Counter Numbers:

				Total Feet
0	to	16	wet	16
16	to	133	up	117
133	to	160	wet	27
160	to	216	up	56
216	to	258	wet	42
258	to	298	up	40
298	to	342	wet	44
342	to	460	up	118
460	to	510	wet	50
510	to	568	up	58
568	to	610	wet	42
610	to	634	up	24
634	to	643	wet	9
643	to	722	up	79
722	to	754	wet	32
754	to	789	up	35
789	to	800	wet	11
800	to	831	up	31
831	to	854	wet	23
854	to	885	up	31
885	to	951	wet	66
951	to	1002	up	51
1002	to	1049	wet	47
1049	to	1067	up	18
1067	to	1082	wet	15
1082	to	1124	up	42
1124	to	1167	wet	43
1167	to	1201	up	34
1201	to	1223	wet	22
1223	to to	1278	up	55
<u> 1278 </u> 1320	to to	<u>1320</u> 1343	wet up	<u>42</u> 23
1020	10		чр	

Total:

Total Upland Linear Feet	812
Total Wetland Linear Feet	531
% UPLAND	60%
% WETLAND	40%

PROJECT/SITE:	Beauregard Airport Property	APPLICANT/OWNER:	SJB Group LLC
TRANSECT ID #:	2	INVESTIGATOR(S):	C. Hoffpauir
LOCATION:	CdA soil type, traversing south to	north.	

Counter Numbers:

Counter	Numb	513.		
				Total Feet
0	to	21	wet	21
21	to	61	up	40
61	to	85	wet	24
85	to	149	up	64
149	to	220	wet	71
220	to	364	up	144
364	to	398	wet	34
398	to	445	up	47
445	to	474	wet	29
474	to	502	up	28
502	to	520	wet	18
520	to	579	up	59
579	to	606	wet	27
606	to	704	up	98
704	to	742	wet	38
742	to	817	up	75
817	to	844	wet	27
844	to	882	up	38
882	to	896	wet	14
896	to	1019	up	123
1019	to	1047	wet	28
1047	to	1063	up	16
1063	to	1074	wet	11
1074	to	1092	up	18
1092	to	1118	wet	26
1118	to	1155	up	37
1155	to	1180	wet	25
1180	to	1242	up	62
1242	to	1285	wet	43

Total:

Total Upland Linear Feet	849
Total Wetland Linear Feet	436
% UPLAND	66%
% WETLAND	34%

PROJECT/SITE:	Beauregard Airport Tract	APPLICANT/OWNER:	SJB Group LLC
TRANSECT ID #:	3	INVESTIGATOR(S):	C. Hoffpauir
LOCATION:	CdA soils, traversing from southea	ast to northwest.	

Total Upland Linear Feet

Total Wetland Linear Feet

% UPLAND

% WETLAND

939

630

60%

40%

Counter Numbers:

0 to 62 we	t 62
	· · · ·
to up	27
89 to 120 we	t 31
120 to 172 up	52
172 to 258 we	t 86
258 to 303 up	45
303 to 371 we	t 68
371 to 441 up	70
441 to 457 we	t 16
457 to 510 up	53
510 to 529 we	t 19
529 to 605 up	76
605 to 634 we	t 29
634 to 719 up	85
719 to 736 we	t 17
736 to 757 up	21
757 to 773 we	t 16
773 to 857 up	84
857 to 889 we	t 32
889 to 987 up	98
987 to 1001 we	t 14
1001 to 1099 up	98
1099 to 1113 we	t 14
1113 to 1152 up	39
1152 to 1173 we	t 21
1173 to 1274 up	101
1274 to 1354 we	
<u>1354</u> to <u>1413</u> up	
1413 to 1428 we	
1428 to 1459 up	
1459 to 1569 we	t <u>110</u>

Total:

PROJECT/SITE:	Beauregard Airport Property	APPLICANT/OWNER:	SJB Group LLC
TRANSECT ID #:	4	INVESTIGATOR(S):	C. Hoffpauir
LOCATION:	CdA soils, traversing west to east.		

Counter Numbers:

Counter Numbers:				
				Total Feet
0	to	0	wet	0
0	to	17	up	17
17	to	26	wet	9
26	to	84	up	58
84	to	107	wet	23
107	to	161	up	54
161	to	260	wet	99
260	to	372	up	112
372	to	405	wet	33
405	to	464	up	59
464	to	539	wet	75
539	to	796	up	257
796	to	836	wet	40
836	to	878	up	42
878	to	1004	wet	126
1004	to	1079	up	75
1079	to	1151	wet	72
1151	to	1214	up	63
1214	to	1233	wet	19
1233	to	1425	up	192
1425	to	1529	wet	104
1529	to	1565	up	36
1565	to	1595	wet	30
1595	to	1640	up	45

Total Upland Linear Feet	1010
Total Wetland Linear Feet	630
% UPLAND	62%
% WETLAND	38%

Total:

PROJECT/SITE:	Beauregard Airport Property	APPLICANT/OWNER:	SJB Group LLC
TRANSECT ID #:	5	INVESTIGATOR(S):	C. Hoffpauir
LOCATION:	CdA soils, traversing from north to south.		

Counter Numbers:

				Total Feet
0	to	0	wet	0
0	to	35	up	35
35	to	63	wet	28
63	to	93	up	30
93	to	118	wet	25
118	to	146	up	28
146	to	166	wet	20
166	to	305	up	139
305	to	317	wet	12
317	to	394	up	77
394	to	426	wet	32
426	to	482	up	56
482	to	508	wet	26
508	to	587	up	79
587	to	618	wet	31

Total Upland Linear Feet	444
Total Wetland Linear Feet	174
% UPLAND	72%
% WETLAND	28%

Total:

PROJECT/SITE:	Beauregard Airport Property	APPLICANT/OWNER:	SJB Group LLC
TRANSECT ID #:	6	INVESTIGATOR(S):	C. Hoffpauir
LOCATION:	CdA soils, traversing west to east.		

Counter Numbers:

				Total Feet
0	to	0	wet	0
0	to	85	up	85
85	to	118	wet	33
118	to	158	up	40
158	to	183	wet	25
183	to	214	up	31
214	to	265	wet	51
265	to	298	up	33
298	to	372	wet	74
372	to	417	up	45
417	to	437	wet	20
437	to	465	up	28
465	to	479	wet	14
479	to	520	up	41
520	to	552	wet	32
552	to	585	up	33
585	to	705	wet	120
705	to	743	up	38
743	to	825	wet	82
825	to	989	up	164
989	to	1018	wet	29
1018	to	1085	up	67
1085	to	1154	wet	69
1154	to	1292	up	138
1292	to	1311	wet	19
1311	to	1333	up	22
1333	to	1364	wet	31
1364	to	1476	up	112
1476	to	1514	wet	38
1514	to	1535	up	21
1535	to	1562	wet	27

Total Upland Linear Feet	898
Total Wetland Linear Feet	664
% UPLAND	57%
% WETLAND	43%

Total:

PROJECT/SITE:	Beauregard Airport Property	APPLICANT/OWNER:	SJB Group LLC
TRANSECT ID #:	7	INVESTIGATOR(S):	C. Hoffpauir
LOCATION:	CdA soils, traversing from south to north.		

Counter Numbers:

Counter	Numbe	513.		
				Total Feet
0	to	0	wet	0
0	to	34	up	34
34	to	50	wet	16
50	to	64	up	14
64	to	75	wet	11
75	to	112	up	37
112	to	158	wet	46
158	to	205	up	47
205	to	217	wet	12
217	to	243	up	26
243	to	340	wet	97
340	to	460	up	120
460	to	520	wet	60
520	to	537	up	17
537	to	630	wet	93
630	to	653	up	23
653	to	668	wet	15
668	to	718	up	50
718	to	746	wet	28
746	to	936	up	190
936	to	953	wet	17
953	to	1028	up	75
1028	to	1035	wet	7
1035	to	1184	up	149

Total:

Total Upland Linear Feet	782
Total Wetland Linear Feet	402
% UPLAND	66%
% WETLAND	34%

PROJECT/SITE:	Beauregard Airport Property	APPLICANT/OWNER:	SJB Group LLC
TRANSECT ID #:	8	INVESTIGATOR(S):	C. Hoffpauir
LOCATION:	CdA soils, traversing from north to south.		

Counter Numbers:

				Total Feet
0	to	22	wet	22
22	to	55	up	33
55	to	81	wet	26
81	to	123	up	42
123	to	139	wet	16
139	to	165	up	26
165	to	182	wet	17
182	to	204	up	22
204	to	254	wet	50
254	to	297	up	43
297	to	337	wet	40
337	to	423	up	86
423	to	447	wet	24
447	to	503	up	56
503	to	530	wet	27
530	to	642	up	112
642	to	696	wet	54
696	to	787	up	91
787	to	823	wet	36
823	to	995	up	172
995	to	1025	wet	30
1025	to	1082	up	57
1082	to	1107	wet	25
1107	to	1330	up	223

Total Upland Linear Feet	963
Total Wetland Linear Feet	367
% UPLAND	72%
% WETLAND	28%

Total:

ATTACHMENT D

Wetland Data Forms

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Section, Township, Range: Local relief (concave, convex '17 Long: opes (CdA) ear? Yes X No disturbed? Are "Norma	State: LA S2 T3S R10W , none): None 3410179 NWI classifier (If no, explain in F al Circumstances" explain any answe	Datum: NAD 83 cation: None Remarks.) present? Yes X No
Section, Township, Range: <u>Section</u> , Township, Range: <u>Section</u> , Local relief (concave, convex <u>'17</u> Long:	S2 T3S R10W , none): <u>None</u> 3410179 NWI classifie (If no, explain in F al Circumstances" explain any answe	Slope (%): 0 Datum: NAD 83 cation: None Remarks.) present? Yes X No
Local relief (concave, convex '17 Long: opes (CdA) ear? Yes X No v disturbed? Are "Norma oblematic? (If needed,	, none): <u>None</u> 3410179 NWI classific (If no, explain in F al Circumstances" explain any answe	Datum: NAD 83 cation: None Remarks.) present? Yes X No
17 Long: opes (CdA) ear? Yes X No v disturbed? Are "Norma oblematic? (If needed,	3410179 NWI classifie (If no, explain in F al Circumstances" explain any answe	Datum: NAD 83 cation: None Remarks.) present? Yes X No
opes (CdA) ear? Yes X No / disturbed? Are "Norma oblematic? (If needed,	NWI classific (If no, explain in F al Circumstances" explain any answe	cation: <u>None</u> Remarks.) present? Yes <u>X</u> No
ear? Yes X No v disturbed? Are "Norma oblematic? (If needed,	(If no, explain in F al Circumstances" explain any answe	Remarks.) present? Yes X No
v disturbed? Are "Norma oblematic? (If needed,	al Circumstances" explain any answe	present? Yes X No
oblematic? (If needed,	explain any answe	
5 5 1 5 1	ons. transects	, important features, etc.
Is the Sampled Area within a Wetland?		No
within a wetland :	103	
	Secondary Indica	ators (minimum of two required)
	the second se	CARLES AND ANALY CONTRACTOR OF A
3) 5) (LRR U) Odor (C1) heres along Living Roots (C3) ced Iron (C4) ction in Tilled Soils (C6) e (C7) Remarks)	Sparsely Ve Drainage Pa Moss Trim L Dry-Season Crayfish Bur Saturation V Geomorphic Shallow Aqu FAC-Neutral	getated Concave Surface (B8) itterns (B10) ines (B16) Water Table (C2) rows (C8) 'isible on Aerial Imagery (C9) Position (D2) itard (D3)
. 0-2"		
.). <u>@</u> 9"		
0. 9-16" Wetland	Hydrology Prese	nt? Yes X No
		n no <u> </u>
os, previous inspections), if av	ailable:	
	3) 5) (LRR U) Odor (C1) heres along Living Roots (C3) ced Iron (C4) ction in Tilled Soils (C6) e (C7) Remarks) $(2): \frac{0-2"}{(\underline{0} \ 9")}$ $(2): \frac{9-16"}{(\underline{0} \ 9")}$ Wetland	Secondary Indica Surface Soil Sparsely Veg Drainage Pa Dodor (C1) Surface Soil Drainage Pa Dodor (C1) Moss Trim L Dry-Season Crayfish Bur Crayfish Bur Crayfish Bur Crayfish Bur Saturation V C(C7) Remarks) Shallow Aqu FAC-Neutral Sphagnum n Spi <u>@ 9"</u>

VEGETATION (Four Strata) - Use scientific names of plants.

Sampling Point: 1

	Absolute	Dominant	Indicator	Dominance Test worksheet:		1
<u>Tree Stratum</u> (Plot size: <u>30</u>) 1. <u>Triadica sebifera</u>	<u>% Cover</u> 5	Species? YES	Status FAC	Number of Dominant Species That Are OBL, FACW, or FAC:	6	(A)
2		_		Total Number of Dominant Species Across All Strata:	6	(B)
4					100	(-)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)
6			<u> </u>	Prevalence Index worksheet:		
7				Total % Cover of:	Multiply by:	
8				OBL species x		
		= Total Cov		FACW species x		
	20% of	total cover	;	FAC species x		
Sapling/Shrub Stratum (Plot size: 30)	10			FACU species x		
1. Triadica sebifera	10	YES	FAC	UPL species x		
2. Pinus taeda	5	YES	FAC			
3. Baccharis halimifolia	2	NO	FAC	Column Totals: (A	9	_ (B)
4				Prevalence Index = B/A =		
5				Hydrophytic Vegetation Indica	ators:	
6				1 - Rapid Test for Hydrophy		
7				2 - Dominance Test is >50%	and the second	
8				3 - Prevalence Index is ≤3.0		
	17	= Total Cov	/er	Problematic Hydrophytic Ve	Sector Sector Sector	in)
50% of total cover: 8.5	20% of	total cover	3.4		gotation (Expla	
Herb Stratum (Plot size: 30)				¹ Indicators of hydric soil and wet	land bydrology r	nuet
1. Panicum rigidulum	20	YES	FACW	be present, unless disturbed or p		nust
2. Axonopus fissifolius	20	YES	FACW	Definitions of Four Vegetation		
3. Rhynchospora caduca	10	NO	OBL			
4. Andropogon virginicus	10	NO	FAC	Tree – Woody plants, excluding more in diameter at breast heigh		
5. Andropogon glomeratus	5	NO	FACW	height.	it (DBH), regardi	635 01
6. Hyptis alata	2	NO	OBL			Sec. 5
			·	Sapling/Shrub – Woody plants, than 3 in. DBH and greater than		
7						
8				Herb – All herbaceous (non-woo of size, and woody plants less th	ody) plants, rega	rdless
9				or size, and woody plants less ti	ian 5.20 it tall.	
10	~ ~~			Woody vine - All woody vines g	greater than 3.28	ft in
11				height.		
12	67					
22.5		= Total Cov				
50% of total cover: <u>33.5</u>	20% of	total cover	. 13.4			
Woody Vine Stratum (Plot size: <u>30</u>)		VED	FAC			
1. Rubus argutus	5	YES	FAC			
2			\leftarrow			
3	·					
4				1		
5		_		Hydrophytic		
the second s		= Total Cov		Vegetation Present? Yes X	No	
50% of total cover: 2.5	20% of	total cover	: 1	Present? Yes X	No	
Remarks: (If observed, list morphological adaptations belo	ow).					

SOIL

Sampling Point: 1

Depth (inches) Matrix Color (moist) 0-4 10 Yr 4/1 4-10 10 Yr 6/2 10-16 10 Yr 6/2 10-16 10 Yr 6/2 Type: C=Concentration, D=De Hydric Soil Indicators: (Appli- Histosol (A1) Histic Epipedon (A2) Black Histic (A3)	90 7 80 7	Redc Color (moist) 7.5 Yr 4/6 7.5 Yr 4/6 7.5 Yr 4/6	x Feature 5 10 20	<u>Type</u> ¹ <u>C</u> <u>C</u> <u>C</u>	Loc ² PL PL M, PL	Texture Silt Loam Silt Loam Silt Loam	Remarks Saturated Saturated Saturated
0-4 10 Yr 4/1 4-10 10 Yr 6/2 10-16 10 Yr 6/2 10-16 10 Yr 6/2 Type: C=Concentration, D=De Hydric Soil Indicators: (Applin) Histosol (A1) Histic Epipedon (A2)	95 90 80 7 pletion, RM=F	7.5 Yr 4/6 7.5 Yr 4/6	5 10	<u>с</u> с	PL PL	Silt Loam Silt Loam	Saturated Saturated
4-10 10 Yr 6/2 10-16 10 Yr 6/2 Type: C=Concentration, D=De Hydric Soil Indicators: (Applin) Histosol (A1) Histic Epipedon (A2)	90 7 80 7	7.5 Yr 4/6	10	С	PL	Silt Loam	Saturated
10-16 10 Yr 6/2 Type: C=Concentration, D=De tydric Soil Indicators: (Appline) Histosol (A1) Histic Epipedon (A2)	80 7			-);			
Type: C=Concentration, D=De Iydric Soil Indicators: (Appli- Histosol (A1) Histic Epipedon (A2)	pletion, RM=F	7.5 Yr 4/6		<u> </u>	<u>M, PL</u>		
Hydric Soil Indicators: (Appli Histosol (A1) Histic Epipedon (A2)							
Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR I 5 cm Mucky Mineral (A7) (L Muck Presence (A8) (LRR P, T) Depleted Below Dark Surfac Thick Dark Surface (A12) Coast Prairie Redox (A16) (Sandy Mucky Mineral (S1) (Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6)	P, T, U) .RR P, T, U) U) ce (A11) (MLRA 150A)	RRs, unless other Polyvalue Be Thin Dark SL Loamy Muck Loamy Muck Depleted Ma Redox Dark Depleted Dar Redox Depre Marl (F10) (L Depleted Occ Iron-Mangan Umbric Surfa Delta Ochric Reduced Ver Piedmont Flo	rwise not elow Surfac y Mineral ed Matrix trix (F3) Surface (I rk Surface essions (F .RR U) hric (F11) ese Mass ice (F13) (F17) (MI rtic (F18) bodplain S	ted.) ace (S8) (L)) (LRR S, (F1) (LRR (F2) F6) e (F7) F8) (MLRA 1 LRA 151) (MLRA 155) (MLRA 155) (MLRA 151)	LRR S, T, L T, U) ₹ O) 51) LRR O, P, , U) 50A, 150B) (MLRA 14	Indicators I) I cm M 2 cm M Reduc Piedm Anoma (MLF Red Pa Very S Other (T) I and contact U	PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ : fuck (A9) (LRR O) fuck (A10) (LRR S) ed Vertic (F18) (outside MLRA 150A,B port Floodplain Soils (F19) (LRR P, S, T) alous Bright Loamy Soils (F20) (A 153B) arent Material (TF2) hallow Dark Surface (TF12) Explain in Remarks) ators of hydrophytic vegetation and land hydrology must be present, ass disturbed or problematic. (153D)
Type: Depth (inches): Remarks:		-				Hydric Soil	Present? Yes X No

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Beauregard Airport Tract	_ City/County: DeRidder/Beauregard Sampling Date: 12-11-15
Applicant/Owner: SJB Group LLC	State: LA Sampling Point: 2
Investigator(s): C. Hoffpauir / J. McDaniel	Section, Township, Range: S2 T3S R10W
Landform (hillslope, terrace, etc.): Mound	Local relief (concave, convex, none): Convex Slope (%): 1-3
Subregion (LRR or MLRA): LRR-T Lat: 464	1790 Long: 3410175 Datum: NAD 83
Soil Map Unit Name: Caddo-Messer complex, 0 to 1 percent s	slopes (CdA) NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of Are Vegetation No , Soil No , or Hydrology No significan Are Vegetation No , Soil No , or Hydrology No naturally SUMMARY OF FINDINGS – Attach site map showin	ntly disturbed? Are "Normal Circumstances" present? Yes X No
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X Remarks: Ketter Ketter Ketter Ketter	Is the Sampled Area within a Wetland? Yes No X
Sediment Deposits (B2) Presence of Red Drift Deposits (B3) Recent Iron Red Algal Mat or Crust (B4) Thin Muck Surfaction Iron Deposits (B5) Other (Explain in Internation Visible on Aerial Imagery (B7)	B13) Sparsely Vegetated Concave Surface (B8) B15) (LRR U) Drainage Patterns (B10) e Odor (C1) Moss Trim Lines (B16) pheres along Living Roots (C3) Dry-Season Water Table (C2) duced Iron (C4) Crayfish Burrows (C8) luction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) ice (C7) Geomorphic Position (D2) n Remarks) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No X Depth (inche Water Table Present? Yes No X Depth (inche Saturation Present? Yes No X Depth (inche (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	es): Wetland Hydrology Present? Yes No X
Remarks: No wetland hydrology Observed	

<u>Tree Stratum</u> (Plot size: <u>30</u>) 1. <u>Pinus taeda</u>	<u>% Cover</u> 20	Dominant <u>Species?</u> YES	Status FAC	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 3		
2				Total Number of Dominant Species Across All Strata: 4 (B)		
3 4			· · · · · ·	Species Across All Strata: (B)		
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)		
6				Prevalence Index worksheet:		
7	·		·	Total % Cover of: Multiply by:		
B	20			OBL species x 1 =		
		= Total Cov		FACW species x 2 =		
50% of total cover: <u>10</u>	20% of	f total cover	4	FAC species x 3 =		
Sapling/Shrub Stratum (Plot size: <u>30</u>)	20	YES	FAC	FACU species x 4 =		
Triadica sebifera	10	NO	FAC	UPL species x 5 =		
Pinus taeda	5	NO	FAC	Column Totals: (A) (B)		
Ligustrum sinense	5	NO	FAC	2 1 1 2 24		
Morella cerifera	5	NO	FAC	Prevalence Index = B/A =		
Prunus serotina	2	NO	FACU	Hydrophytic Vegetation Indicators:		
Quercus falcata	2	NO	FACU	1 - Rapid Test for Hydrophytic Vegetation		
Baccharis halimifolia	2	NO	FAC	2 - Dominance Test is >50%		
			()	3 - Prevalence Index is ≤3.0 ¹		
25.5		= Total Cov		Problematic Hydrophytic Vegetation ¹ (Explain)		
50% of total cover: 25.5	20% of	total cover	10.2			
<u>Herb Stratum</u> (Plot size: <u>30</u>) Solidago odora	30	YES	NI	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
Solidago altissima	5	NO	FACU	Definitions of Four Vegetation Strata:		
3						
		-		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of		
				height.		
5						
			·	 Sapling/Shrub – Woody plants, excluding vines, than 3 in. DBH and greater than 3.28 ft (1 m) tall. 		
				than 5 m. DBH and greater than 5.26 it (1 m) tail.		
3				Herb - All herbaceous (non-woody) plants, regardless		
				of size, and woody plants less than 3.28 ft tall.		
				Woody vine - All woody vines greater than 3.28 ft in		
0				Woody vine – All woody vines greater than 3.28 ft in height.		
0	_		<u> </u>			
0	35	= Total Cov				
0 1		= Total Cov				
0 1 2 50% of total cover: <u>17.5</u>						
10						
0	20% of	f total cover	7			
0	20% of	f total cover	7 FAC			
0	20% of	f total cover	7 FAC			
10.	20% of	f total cover	7 FAC	height.		
10 11 12	20% of 10 2 	f total cover YES NO	7 FAC FAC	height. Hydrophytic		
10.	20% of 10 2 12 12	f total cover	FAC FAC FAC	height.		

		to the dep	oth needed to docu			or confirm	n the absence of	f indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Feature %	es Type ¹	Loc ²	Texture	Remarks
0-8	10 Yr 3/1	100					Silt Loam	
8-16	10 Yr 6/4	98	7.5 Yr 5/6	2	С	M, PL	Silt Loam	
Hydric Soil Histosol Histic E Black H Hydroge Stratifie Organic 5 cm Mu Deplete Thick D Coast P Sandy M Sandy C Sandy F Stripped Dark Su	Indicators: (Applie (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) Bodies (A6) (LRR F Jocky Mineral (A7) (L resence (A8) (LRR R Jock (A9) (LRR P, T) d Below Dark Surface (A9) (LRR P, T) d Below Dark Surface ark Surface (A12) rairie Redox (A16) (Mucky Mineral (S1) (Bleyed Matrix (S4) Redox (S5) I Matrix (S6) rface (S7) (LRR P, 1) Layer (if observed)	2, T, U) RR P, T, U J) 22 (A11) MLRA 150 LRR O, S) S, T, U)	Redox Deprivement of the first constraints of the first constraint	rwise no elow Surfa (y Mineral ed Matrix atrix (F3) Surface (ark Surface essions (F LRR U) chric (F11) nese Mass ace (F13) (F17) (M rtic (F18) oodplain \$	ted.) ace (S8) (L 9) (LRR S, 1 (F1) (LRF (F2) F6) e (F7) F8)) (MLRA 1 Ses (F12) ((LRR P, T LRA 151) (MLRA 15 Soils (F19)	LRR S, T, I T, U) ₹ O) 51) (LRR O, P 7, U) 50A, 150B (MLRA 1/	Indicators fo U) 1 cm Muc 2 cm Muc 2 cm Muc 2 cm Muc Piedmon Anomalo (MLRA Red Pare Very Sha Other (E) 3 Indicate wetlar unless	

Project/Site: Beauregard Airport Tract	City/County: DeRidder/	Beauregard	Sampling Date: 12-11-15
Applicant/Owner: SJB Group LLC		State: LA	Sampling Point: 3
	Section, Township, Range		
	Local relief (concave, conv	vex, none); Conve	ex Slope (%): 1-3
Subregion (LRR or MLRA): LRR-T Lat:	465249 Lon	a: 3410283	Datum: NAD 83
Soil Map Unit Name: Beauregard silt loam, 1 to 3 percent		NWI class	
Are climatic / hydrologic conditions on the site typical for this tim			
Are Vegetation No_, Soil No_, or Hydrology No_ signif	icantly disturbed? Are "No	rmal Circumstances	s" present? Yes X No
Are Vegetation No, Soil No, or Hydrology No natur		ed, explain any ans	
SUMMARY OF FINDINGS – Attach site map sho		ations, transed	ts, important features, etc.
Hydrophytic Vegetation Present? Yes X No		7	
Hydric Soil Present? Yes No X	Is the Sampled Ar		X
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X	within a Wetland?	Yes	No X
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Inc	licators (minimum of two required)
Primary Indicators (minimum of one is required; check all that a	apply)	-	oil Cracks (B6)
Surface Water (A1)	na (B13)		Vegetated Concave Surface (B8)
	ts (B15) (LRR U)	Drainage	Patterns (B10)
	ulfide Odor (C1)		n Lines (B16)
	izospheres along Living Roots (C		on Water Table (C2)
	Reduced Iron (C4) Reduction in Tilled Soils (C6)		Burrows (C8) Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)			nic Position (D2)
	in in Remarks)		quitard (D3)
Inundation Visible on Aerial Imagery (B7)			ral Test (D5)
Water-Stained Leaves (B9)		Sphagnur	n moss (D8) (LRR T, U)
Field Observations:	inches);		
Surface Water Present? Yes No X Depth (Water Table Present? Yes No X Depth (inches):		
Saturation Present? Yes No X Depth (nd Hydrology Pres	sent? YesNo_X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aeria	Il photos, previous inspections), if	available:	
Remarks:			

Tree Stratum (Plot size: 30)		Dominant		Dominance Test worksheet:		
. Dinus alliattii	<u>% Cover</u> 10	Species? YES	<u>Status</u> FACW	Number of Dominant Species		
1. Pinus elliottii	10	YES	FAC	That Are OBL, FACW, or FAC: (A)		
2. Pinus palustris				Total Number of Dominant		
3. Pinus taeda	2	NO	FAC	Species Across All Strata: (B)		
4. Liquidambar styraciflua 5		<u>NO</u>	FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)		
6						
7				Prevalence Index worksheet:		
8				Total % Cover of:Multiply by:		
	24	= Total Cov	er	OBL species x 1 =		
50% of total cover: 12	20% 0	f total cover	4.8	FACW species x 2 =		
Sapling/Shrub Stratum (Plot size: 30)	-			FAC species x 3 =		
Liquidambar styraciflua	60	YES	FAC	FACU species x 4 =		
2 Magnolia virginiana	10	NO	FACW	UPL species x 5 =		
3 llex vomitoria	5	NO	FAC	Column Totals: (A) (B)		
4 Triadica sebifera	2	NO	FAC			
 5_ Sassafras albidum	2	NO	FACU	Prevalence Index = B/A =		
j llex opaca	2	NO	FAC	Hydrophytic Vegetation Indicators:		
	·			1 - Rapid Test for Hydrophytic Vegetation		
7				✓ 2 - Dominance Test is >50%		
3				3 - Prevalence Index is $\leq 3.0^{1}$		
	81 = Total Cover			Problematic Hydrophytic Vegetation ¹ (Explain)		
50% of total cover: 40.5	20% of	f total cover	16.2			
Herb Stratum (Plot size: <u>30</u>)				¹ Indicators of hydric soil and wetland hydrology must		
1. Magnolia virginiana	10	YES	FACW	be present, unless disturbed or problematic.		
2. Muhlenbergia capillaris	10	YES	FAC	Definitions of Four Vegetation Strata:		
3. Morella cerifera	5	NO	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or		
Andropogon virginicus	5	NO	FAC	more in diameter at breast height (DBH), regardless of		
5. Liquidambar styraciflua	2	NO	FAC	height.		
Ĵ.				Sapling/Shrub – Woody plants, excluding vines, less		
7		6	-	than 3 in. DBH and greater than 3.28 ft (1 m) tall.		
3				Herb – All herbaceous (non-woody) plants, regardless		
				of size and woody plants less than 3.28 ft tall		
)				of size, and woody plants less than 3.28 ft tall.		
9 10	=	_	_	Woody vine – All woody vines greater than 3.28 ft in		
3 10 11		\equiv	_			
9 10 11			_	Woody vine – All woody vines greater than 3.28 ft in		
9 10 11 12		= Total Cov		Woody vine – All woody vines greater than 3.28 ft in		
9		= Total Cov		Woody vine – All woody vines greater than 3.28 ft in		
9	20% of	f total cover	6.4	Woody vine – All woody vines greater than 3.28 ft in		
9	20% of	f total cover	6.4 FAC	Woody vine – All woody vines greater than 3.28 ft in		
9	20% of 	f total cover YES YES	FAC FAC	Woody vine – All woody vines greater than 3.28 ft in		
9	20% of	f total cover	6.4 FAC	Woody vine – All woody vines greater than 3.28 ft in		
9	20% of 	f total cover YES YES	FAC FAC	Woody vine – All woody vines greater than 3.28 ft in		
9	20% of 	f total cover YES YES	FAC FAC	Woody vine – All woody vines greater than 3.28 ft in height.		
9	20% of 	f total cover YES YES YES	6.4 FAC FAC FAC	Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation		
8	20% of 10 5 25	f total cover YES YES	FAC FAC FAC FAC FAC	Woody vine – All woody vines greater than 3.28 ft in height.		

Depth Matrix Redox Features Color (moist) % Color (moist) % Type' Loc2' Texture Remarks 0-3 10 Yr 4/2 100 Silt Loam	Profile Description: (Describ					or confirm	n the absence of inc	licators.)
3-6 10 Yr 4/2 100 Silt Loam 6-12 10 Yr 5/4 100 Silt Loam 12-16 10 Yr 5/6 100 Silt Loam 12-16 10 Yr 5/6 100 Silt Loam 112-16 10 Yr 5/6 100 Silt Loam 12-16 10 Yr 5/6 100 Silt Loam 11 Thir Dark Surface (S8) (LRR S, T, U) Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S9) (LRR S, T, U) 1 cm Muck (A10 (LRR O) 11 Black Histic (A3) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRP P, S, T) 11 Statified Layers (A5) Depleted Matrix (F3) Moreal Caree (F7) <t< td=""><td></td><td></td><td></td><td></td><td></td><td>_Loc²</td><td>Texture</td><td>Remarks</td></t<>						_Loc ²	Texture	Remarks
6-12 10 Yr 5/4 100 Silt Loam 12-16 10 Yr 5/6 100 Silt Loam 112-16 10 Yr 5/6 100 Silt Loam 11 Silt Loam Silt Loam 11 Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : 11 Histosol (A1) Polyvalue Below Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) 12 Histic S3 Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, B) 11 Depleted Matrix (F3) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) 12 Indicators of hydrophytic vegetation and wetland (TF2) Muck Presence (A8) (LRR U) Redox Depressions (F8) 12 Indicators of hydrophytic vegetation and wetland fight Loamy Soils (F20) Other (Explain in Remarks) 12 Indicators of hydrophytic vegetation and wetland fight Cost Sira (F11) Indicators of hydrophytic vegetation and	0-3 10 Yr 3/2	100					Silt Loam	
12-16 10 Yr 5/6 100 Silt Loam 12-16 10 Yr 5/6 100 Silt Loam 1 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) Histosol (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Gleyed Matrix (F2) Peleted Matrix (F2) Black Histic (A3) Depleted Matrix (F3) Reduced Vertic (F18) (outside MLRA 150A,B) Graine Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Muck Presence (A8) (LRR P, T, U) Redox Dark Surface (F7) Red Parent Material (TF2) Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) andicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) andicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. <t< td=""><td>3-6 10 Yr 4/2</td><td>100</td><td></td><td></td><td></td><td></td><td>Silt Loam</td><td></td></t<>	3-6 10 Yr 4/2	100					Silt 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) Histosol (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) S cm Mucky Mineral (A7) (LRR P, T, U) Redox 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, U) Depleted Ochric (F11) (MLRA 151) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F13) (MLRA 150A, 150B) ³ Indicators of nydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Redox (S5) </td <td>6-12 10 Yr 5/4</td> <td>100</td> <td></td> <td></td> <td></td> <td></td> <td>Silt Loam</td> <td></td>	6-12 10 Yr 5/4	100					Silt Loam	
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 (A12) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150A, 150B) unless disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) unless disturbe	12-16 10 Yr 5/6	100					Silt Loam	
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	¹ Type: C=Concentration, D=De Hydric Soil Indicators: (Appl Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR 5 cm Mucky Mineral (A7) (1 Muck Presence (A8) (LRR P, T Depleted Below Dark Surfa Thick Dark Surface (A12) Coast Prairie Redox (A16) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5)	epletion, RM=Re licable to all LRI LRR P, T, U) U) ace (A11) (MLRA 150A)	Rs, unless other Polyvalue Be Thin Dark Su Loamy Mucky Loamy Gleye Depleted Mat Redox Dark S Depleted Dar Redox Depre Marl (F10) (L Depleted Oct Iron-Mangane Umbric Surfa Delta Ochric Reduced Ver Piedmont Flo	wise note low Surface rface (S9) y Mineral (d Matrix (F trix (F3) Surface (F6 k Surface essions (F8 RR U) nric (F11) (ese Masse ce (F13) (I (F17) (MLI) tic (F18) (N podplain Sc	d.) e (S8) (L (LRR S, F1) (LRR 2) 6) (F7)) MLRA 11 s (F12) (I _RR P, T RA 151) MLRA 15 bills (F19)	RR S, T, I T, U) O) LRR O, P, U) 0A, 1508 (MLRA 14	² Location: PL=P Indicators for Pr U) 1 cm Muck (2 cm Muck (2 cm Muck (Reduced Vei Piedmont Fld Anomalous E (MLRA 15: Red Parent N Very Shallow Other (Expla , T) ³ Indicators wetland h unless dis	roblematic Hydric Soils ³ : A9) (LRR O) A10) (LRR S) tic (F18) (outside MLRA 150A,B) bodplain Soils (F19) (LRR P, S, T) Bright Loamy Soils (F20) 3B) Material (TF2) v Dark Surface (TF12) in in Remarks) of hydrophytic vegetation and ydrology must be present, sturbed or problematic.

Project/Site: Beauregard Airport Tract	_ City/County: DeRidder/Beauregard Sampling Date: 12-11-15
Applicant/Owner: SJB Group LLC	State: LA Sampling Point: 4
	_ Section, Township, Range: S10 T3S R10W
	Local relief (concave, convex, none): Convex Slope (%): 3-5
Subregion (LRR or MLRA): LRR-T Lat: 464	640 Long: <u>3409098</u> Datum: UTM NAD 83
Soil Map Unit Name: Blevins very fine sandy loam, 3 to 5 perc	ent slopes (BpC) NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of y Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> significant Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> naturally p SUMMARY OF FINDINGS – Attach site map showing	ly disturbed? Are "Normal Circumstances" present? Yes No X
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X	Is the Sampled Area within a Wetland? Yes No X
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Sediment Deposits (B2) Presence of Redu Drift Deposits (B3) Recent Iron Redu Algal Mat or Crust (B4) Thin Muck Surface Iron Deposits (B5) Other (Explain in Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	15) (LRR U) Drainage Patterns (B10) Odor (C1) Moss Trim Lines (B16) oheres along Living Roots (C3) Dry-Season Water Table (C2) uced Iron (C4) Crayfish Burrows (C8) uction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) ce (C7) Geomorphic Position (D2)
Field Observations: Surface Water Present? Yes No X Depth (inche Water Table Present? Yes No X Depth (inche Saturation Present? Yes No X Depth (inche (includes capillary fringe) Yes No X Depth (inche	es): es): es): Wetland Hydrology Present? Yes No X
Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspections), if available:
Remarks: Area is well drained, slopes significantly.	

Co	mpling	Daint	- 2
od	moiina	POIN.	

<u>Tree Stratum</u> (Plot size: <u>30</u>) 1. <u>NONE</u>	Absolute <u>% Cover</u> N/A	Dominant Species? N/A		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2		
2 3		_	_	Total Number of Dominant Species Across All Strata: <u>5</u> (B)		
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: 40 (A/B)		
6				Prevalence Index worksheet:		
7				Total % Cover of: Multiply by:		
8		the second		OBL species x1 =		
		= Total Cov		FACW species x 2 =		
50% of total cover: <u>N/A</u>	20% of	total cover	: <u>N/A</u>	A second s		
Sapling/Shrub Stratum (Plot size: <u>30</u>)	1.1.	1.440.0	1.5	FAC species x 3 =		
1. Morella cerifera	30	YES	FAC	FACU species x 4 =		
2. Rhus copallinum	10	YES	UPL	UPL species x 5 =		
3. Baccharis halimifolia	5	NO	FAC	Column Totals: (A) (B)		
4. Liquidambar styraciflua	5	NO	FAC	Prevalence Index = B/A =		
5				Hydrophytic Vegetation Indicators:		
6				1 - Rapid Test for Hydrophytic Vegetation		
7				\square 2 - Dominance Test is >50%		
8	-			\square 3 - Prevalence Index is $\leq 3.0^{1}$		
	50	= Total Cov	er			
50% of total cover: 25	20% of total cover: 10			Problematic Hydrophytic Vegetation ¹ (Explain)		
Herb Stratum (Plot size: <u>30</u>)	2070 01		·			
1 Andropogon virginicus	40	YES	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
2. Plantago virginica	5	YES	FACU			
3. Nothoscordum bivalve	2	NO	FACU	Definitions of Four Vegetation Strata:		
			FACO	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or		
				more in diameter at breast height (DBH), regardless of		
5	, <u> </u>			height.		
6				Sapling/Shrub - Woody plants, excluding vines, less		
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.		
8				Herb – All herbaceous (non-woody) plants, regardless		
9				of size, and woody plants less than 3.28 ft tall.		
10				Woody vine – All woody vines greater than 3.28 ft in		
11				height.		
12	X					
	47	= Total Cov	ver			
50% of total cover: 23.5	20% of	total cover	9.4			
Woody Vine Stratum (Plot size: 30)						
1. Rubus trivialis	5	YES	FACU			
2.	North Co					
3						
4				A 1997 A 1997		
5	5			Hydrophytic		
0.5		= Total Cov		Vegetation Present? Yes No X		
50% of total cover: 2.5		total cover	:			
Remarks: (If observed, list morphological adaptations belo Vegetation in this area recently burned.						

	scription: (Describe	to the depti		ment the i		or confirm	n the absence of	indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	_Loc ²	Texture	Remarks
0-9	10 Yr 3/2	100					Silt Loam	
9-12	10 Yr 5/3	100					Silt Loam	
12-16	10 Yr 5/8	100				-	Silty Clay	
				_	=	_		
Hydric Soi Histoso Histoso Histoso Histoso Hydrog Stratific Organi 5 cm M Muck F 1 cm M Depletet Thick D Coast I Sandy Sandy Sandy Dark S	Concentration, D=De I Indicators: (Applie DI (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) c Bodies (A6) (LRR I Aucky Mineral (A7) (L Presence (A8) (LRR P, T) ed Below Dark Surfac Dark Surface (A12) Prairie Redox (A16) (Mucky Mineral (S1) (Gleyed Matrix (S4) Redox (S5) ed Matrix (S6) urface (S7) (LRR P, Layer (if observed)	cable to all L P, T, U) RR P, T, U) U) ce (A11) (MLRA 150A) (LRR O, S) S, T, U)	RRs, unless othe Polyvalue Ba Thin Dark Su Loamy Muck Loamy Muck Depleted Ma Redox Dark Depleted Ma Redox Dark Depleted Da Redox Depression Marl (F10) (I Depleted Oc Iron-Mangar Delta Ochric Reduced Ve Piedmont Flo	rwise note elow Surfa- urface (S9) sy Mineral I ed Matrix (atrix (F3) Surface (F rk Surface essions (F LRR U) thric (F11) hese Massi- ace (F13) ((F17) (ML rtic (F18) (oodplain S	ed.) cce (S8) (L (FR S, (F1) (LRR F2) (6) (F7) 8) (MLRA 11 es (F12) (LRR P, T .RA 151) MLRA 15 oils (F19)	51) LRR O, P, , U) 0A, 150B	Indicators for U) 1 cm Muc 2 cm Muc Reduced Piedmont Anomalou (MLRA Red Pare Very Shal Other (Ex standard Wetlan unless	nt Material (TF2) llow Dark Surface (TF12) plain in Remarks) ors of hydrophytic vegetation and d hydrology must be present, disturbed or problematic.
Type: <u></u> Depth (in Remarks:	nches):						Hydric Soil Pr	esent? Yes <u>No X</u>

Project/Site: Beauregard Airport Tract	City/County: De	Ridder/Beauregard	_ Sampling Date: 12-11-15
Applicant/Owner: SJB Group LLC		State: LA	
Investigator(s): C. Hoffpauir / J. McDaniel	Section, Townshi		
Landform (hillslope, terrace, etc.): <u>Ridge along creek</u> Subregion (LRR or MLRA): <u>LRR-T</u>	Lat: 465284	Long: 3409488	xSlope (%): 1-3 Datum: NAD 83
Soil Map Unit Name: Guyton-Ouachita silt loams, freq	uently flooded (GYA)	NWI classif	ication: None
Are climatic / hydrologic conditions on the site typical for th Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> SUMMARY OF FINDINGS – Attach site map	significantly disturbed? naturally problematic?	No (If no, explain in Are "Normal Circumstances" (If needed, explain any answ int locations, transect	present? Yes X No rers in Remarks.)
Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N Wetland Hydrology Present? Yes N Remarks: N	No Is the San No within a V	npled Area Vetland? Yes	No_X
HYDROLOGY Wetland Hydrology Indicators:		Secondary India	cators (minimum of two required)
Primary Indicators (minimum of one is required; check all	that apply)		
Surface Water (A1) Aquatic High Water Table (A2) Marl De Saturation (A3) Hydrog Water Marks (B1) Oxidize Sediment Deposits (B2) Presen Drift Deposits (B3) Recent Algal Mat or Crust (B4) Thin Marl Iron Deposits (B5) Other (Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Water-Stained Leaves (B9)	that apply) Fauna (B13) eposits (B15) (LRR U) en Sulfide Odor (C1) d Rhizospheres along Living ce of Reduced Iron (C4) Iron Reduction in Tilled Soils uck Surface (C7) Explain in Remarks)	C6) C6) C6) C6) C7) C7) C7) C7) C7) C7) C7) C7	Visible on Aerial Imagery (C9) c Position (D2)
Field Observations:	ath (inches).	100 C	
Surface Water Present? Yes No _^ De Water Table Present? Yes No _X De	epth (inches): epth (inches):	10. Contra 10. Contra 10.	
Saturation Present? Yes No X De	pth (inches):	Wetland Hydrology Prese	ent? YesNo_X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well,	aeriai photos, previous inspe	ctions), if available:	
Remarks:			
No wetland hydrology observed			

20	Absolute	Contraction and the second		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30</u>)	<u>% Cover</u> 10	Species?	Status	Number of Dominant Species
1. Pinus echinata	10	YES	NI	That Are OBL, FACW, or FAC: <u>5</u> (A)
2. Quercus nigra		YES	FAC	Total Number of Dominant
3. Quercus alba	2	NO	FACU	Species Across All Strata: (B)
4. Nyssa sylvatica	2	NO	FAC	Percent of Dominant Species
5. Quercus stellata	2	NO	UPL	That Are OBL, FACW, or FAC: 71 (A/B)
	 			Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8				OBL species
10 Mar		= Total Cov		FACW species x 2 =
50% of total cover: <u>14.5</u>	20% of	total cover	5,8	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: <u>30</u>)	20	VEC	FAC	FACU species x 4 =
1. Quercus nigra	30	YES	FAC	UPL species x 5 =
2. Hamamelis virginiana	10	NO	FACU	Column Totals: (A) (B)
3. Ligustrum sinense	10	NO	FAC	
4. Aralia spinosa	5	NO	FAC	Prevalence Index = B/A =
5. Liquidambar styraciflua	5	NO	FAC	Hydrophytic Vegetation Indicators:
6. Magnolia virginiana	2	NO	FACW	1 - Rapid Test for Hydrophytic Vegetation
7				☑ 2 - Dominance Test is >50%
8				□ 3 - Prevalence Index is $\leq 3.0^{1}$
	62	= Total Cov	er	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 31	20% of	total cover	12.4	
Herb Stratum (Plot size: 30)				¹ Indicators of hydric soil and wetland hydrology must
1. Ligustrum sinense	10	YES	FAC	be present, unless disturbed or problematic.
2. Quercus nigra	10	YES	FAC	Definitions of Four Vegetation Strata:
3. Hamamelis virginiana	5	YES	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5			<u> </u>	height.
6				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Weaderstan, All used using assets than 2.00 ft in
11.				Woody vine – All woody vines greater than 3.28 ft in height.
12				
· · · · · · · · · · · · · · · · · · ·	25	= Total Cov	er	
50% of total cover: 12.5		total cover		
Woody Vine Stratum (Plot size: 30)				
1. Lygodium japonicum	10	YES	FAC	
2.				
3	_			
4				
5.			· · · · · ·	
	10	= Total Cov		Hydrophytic Vegetation
50% of total cover: 5	the second se	total cover		Present? Yes X No
		total cover		
Remarks: (If observed, list morphological adaptations belo	₩¥).			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth **Redox Features** Matrix (inches) Color (moist) % Color (moist) Type¹ Loc² Texture Remarks % 100 0-6 10 Yr 3/2 Silt Loam 6-16 10 Yr 5/3 100 Silt Loam ²Location: PL=Pore Lining, M=Matrix. ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR O) 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) Reduced Vertic (F18) (outside MLRA 150A,B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) Stratified Layers (A5) 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) ³Indicators of hydrophytic vegetation and Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: No X Hydric Soil Present? Depth (inches): Yes Remarks:

SOIL

Project/Site: Beauregard Airport Tract	City/County: DeRidder/	Beauregard	_ Sampling Date: 12-11-15
Applicant/Owner: SJB Group LLC			_ Sampling Point: 6
Investigator(s): C. Hoffpauir / J. McDaniel	Section, Township, Range	S2 T3S R10W	
Landform (hillslope, terrace, etc.): Drainage swale	Local relief (concave, conv	vex, none): Conca	ve Slope (%); 0
Subregion (LRR or MLRA): LRR-T	at: 464861 Lon	a: 3410282	Datum: NAD 83
Soil Map Unit Name: Caddo-Messer complex, 0 to 1 pe		NWI classif	ication: None
Are climatic / hydrologic conditions on the site typical for this Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> si Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> na SUMMARY OF FINDINGS – Attach site map s	gnificantly disturbed? Are "Non aturally problematic? (If neede	rmal Circumstances" ed, explain any answ	present? Yes X No rers in Remarks.)
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No Remarks: No No	is the bumpled A		No
HYDROLOGY Wetland Hydrology Indicators:		Secondary India	cators (minimum of two required)
Primary Indicators (minimum of one is required; check all th	at apply)	-	il Cracks (B6)
	auna (B13)		egetated Concave Surface (B8)
High Water Table (A2)	osits (B15) (LRR U)	Drainage P	atterns (B10)
	n Sulfide Odor (C1)		
이 그는 것이 없는 것 같은 것 같은 것 않는 것 같은 것 같	Rhizospheres along Living Roots (C		n Water Table (C2)
	of Reduced Iron (C4)	Crayfish Bu	
이 바늘 1월 1월 1일 2월	on Reduction in Tilled Soils (C6) k Surface (C7)		√isible on Aerial Imagery (C9) c Position (D2)
	(plain in Remarks)	Shallow Aq	
Inundation Visible on Aerial Imagery (B7)		FAC-Neutra	
Water-Stained Leaves (B9)			moss (D8) (LRR T, U)
Field Observations:			
Surface Water Present? Yes No X Dep	th (inches):		
Water Table Present? Yes No X Dep	th (inches):		v.
Saturation Present? Yes X No Dep (includes capillary fringe)	th (inches): 0-16" Wetlan	nd Hydrology Prese	ent? Yes X No
Describe Recorded Data (stream gauge, monitoring well, a	erial photos, previous inspections), if	available:	
Remarks:			

Tree Stratum (Plot size: 30)			Indicator	Dominance Test worksheet:
		Species?		Number of Dominant Species
1. Pinus elliottii	30	YES	FACW	That Are OBL, FACW, or FAC: <u>11</u> (A)
2. Triadica sebifera	10	YES	FAC	Total Number of Dominant
3. Acer rubrum	5	NO	FAC	Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: ¹⁰⁰ (A/B)
6				
7			_	Prevalence Index worksheet:
8.				Total % Cover of:Multiply by:
	45	= Total Cov	ver	OBL species x 1 =
50% of total cover: 22.5	20% 0	f total cover	. 9	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30)				FAC species x 3 =
1. Morella cerifera	20	YES	FAC	FACU species x 4 =
2. Triadica sebifera	10	YES	FAC	UPL species x 5 =
3. Ligustrum sinense	5	NO	FAC	Column Totals: (A) (B)
	2	NO	FAC	
4. Baccharis halimifolia	1		(100 million)	Prevalence Index = B/A =
5. Acer rubrum	2	NO	FAC	Hydrophytic Vegetation Indicators:
6. Ilex vomitoria	2	NO	FAC	1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8		(;;	3 - Prevalence Index is ≤3.0 ¹
	41	= Total Co	/er	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 20.5				
Herb Stratum (Plot size: 30)				A second s
1. Hyptis alata	5	YES	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Acer rubrum	5	YES	FAC	The second states for a second R second state
				Definitions of Four Vegetation Strata:
3. Triadica sebifera	5	YES	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
	5	YES	FAC	more in diameter at breast height (DBH), regardless of
	5	YES	FAC FAC	more in diameter at breast height (DBH), regardless of height.
Andropogon virginicus	5	YES	Contractor of the	height.
5. Andropogon virginicus 6	5	YES	Contractor of the	
5. Andropogon virginicus 6	5	YES	FAC	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Andropogon virginicus 6. 7. 8.	5	YES	FAC	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless
Andropogon virginicus 6. 7. 8. 9.	5	YES	FAC	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Andropogon virginicus 6. 7. 8. 9. 10.	5	YES	FAC	 height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Andropogon virginicus 6. 7. 8. 9. 10. 11.	5	YES	FAC	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Andropogon virginicus 6. 7. 8. 9. 10.	5	YES	FAC	 height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
5. Andropogon virginicus 6.	5 25	YES	FAC	 height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
5. Andropogon virginicus 6	5 25	YES	FAC	 height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
5. Andropogon virginicus 6	5 	YES	FAC	 height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
5. Andropogon virginicus 6	5 25 20% o 10	YES	FAC	 height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
5. Andropogon virginicus 6	5 	YES	FAC	 height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
5. Andropogon virginicus 6.	5 25 20% o 10	YES	FAC	 height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
5. Andropogon virginicus 6	5 25 20% o 10	YES	FAC	 height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
5. Andropogon virginicus 6.	5 25 20% o 10	YES	FAC	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
5. Andropogon virginicus 6.	5 25 20% o 10 5 	YES = Total Cover f total cover YES YES	FAC	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic
50% of total cover: <u>12.5</u> <u>Woody Vine Stratum</u> (Plot size: <u>30</u>) <u>1. Rubus argutus</u> <u>2. Lygodium japonicum</u> <u>3</u>	5 25 20% o 10 5 15	YES	FAC FAC FAC FAC FAC FAC	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.

Profile Desc	cription: (Describe	to the dep	th needed to docu	ment the	indicator	or confirm	n the absence	of indicators.)
Depth (inchos)	Matrix Color (moist)	%	Color (moist)	ox Feature %	es Type ¹	Loc ²	Texture	Remarks
(inches) 0-12	10 Yr 5/1	98	10 Yr 4/6	2	C	PL	Silt Loam	Saturated
12-16	10 Yr 5/2	90	7.5 Yr 4/6	10	- C	()		
12-10	10 11 5/2	90	7.5 11 4/0		<u> </u>	M, PL	Silt Loam	Saturated, Fe/Mn masses
						_		
	·							
the second se	oncentration, D=De					ains.		PL=Pore Lining, M=Matrix.
	Indicators: (Appli	cable to all			and the second second	DDCTI		for Problematic Hydric Soils ³ :
Histosol	oipedon (A2)		Polyvalue B				and the second se	Muck (A9) (LRR O) Muck (A10) (LRR S)
	istic (A3)		Loamy Muc					ced Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley		(F2)		and the second sec	nont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5) Bodies (A6) (LRR I	. т. IN	Depleted M Redox Dark		EG)			alous Bright Loamy Soils (F20) RA 153B)
	ucky Mineral (A7) (L							Parent Material (TF2)
	esence (A8) (LRR		Redox Depr					Shallow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (U Other	(Explain in Remarks)
	d Below Dark Surfa ark Surface (A12)	ce (A11)	Depleted O				T) ³ Indi	cators of hydrophytic vegetation and
	rairie Redox (A16) (MLRA 150						tland hydrology must be present,
	Aucky Mineral (S1)	LRR O, S)	Delta Ochrid	c (F17) (M	LRA 151)			less disturbed or problematic.
	Bleyed Matrix (S4)		Reduced Ve					
	Redox (S5) I Matrix (S6)		Piedmont F				49A) RA 149A, 153C	. 153D)
	rface (S7) (LRR P,	S, T, U)		9			25 1.05 C 1.073	
	Layer (if observed)):						
Type:	- h						Unders O et	Descuto Vez X No
Depth (in Remarks:	cnes):						Hydric Sol	I Present? Yes X No
Netharks.								

Project/Site: Beauregard Airport Tract	City/County: DeRidder/Beauregard Sampling Date: 12-15-15					
Applicant/Owner: SJB Group LLC	State: LA Sampling Point: 7					
Investigator(s): C. Hoffpauir	Section, Township, Range: S11 T3S R10W					
Landform (hillslope, terrace, etc.): Flood Plain Subregion (LRR or MLRA): LRR-T Lat: 4649	Local relief (concave, convex, none): None Slope (%): 0 083 Long: 3408668 Datum: UTM NAD 83					
Soil Map Unit Name: Guyton-Ouachita Silt Loams, Frequently	Flooded (GYA) NWI classification: None					
Are climatic / hydrologic conditions on the site typical for this time of y Are Vegetation \underline{No} , Soil \underline{No} , or Hydrology \underline{No} significantl Are Vegetation \underline{No} , Soil \underline{No} , or Hydrology \underline{No} naturally p	year? Yes X No (If no, explain in Remarks.) ly disturbed? Are "Normal Circumstances" present? Yes X No					
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No Remarks: Image: State	- Is the Sampled Area within a Wetland? Yes X No					
Recent Rainfall						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Sediment Deposits (B2)	13) Sparsely Vegetated Concave Surface (B8) 15) (LRR U) Image Patterns (B10) Odor (C1) Moss Trim Lines (B16) heres along Living Roots (C3) Image Patterns (B16) uced Iron (C4) Image Patterns (C8) iction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) ie (C7) Image Patterns (D2)					
Surface Water Present? Yes X No Depth (inche Water Table Present? Yes X No Depth (inche Saturation Present? Yes X No Depth (inche (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	s): @ 8" BGS s): 0-16" Wetland Hydrology Present? Yes X No					
Remarks:						

Tree Stratum (Plot size: 30	Absolute		Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30</u>) 1. Quercus laurifolia	% Cover 30	Species? YES	Status FACW	Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A)
2. Quercus michauxii	10	YES	FACW	
3. Liquidambar styraciflua	5	NO	FAC	Total Number of Dominant Species Across All Strata: 7 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: ⁸⁶ (A/B)
6				
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	45	= Total Cov	er	OBL species x 1 =
50% of total cover: 22.5	20% of	total cover	9	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30)			_	FAC species x 3 =
1. Ligustrum sinense	20	YES	FAC	FACU species x 4 =
2. Viburnum dentatum	5	YES	FACU	UPL species x 5 =
3				Column Totals: (A) (B)
4				Development of the Diffe
				Prevalence Index = B/A =
56				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	25			3 - Prevalence Index is ≤3.0 ¹
125		= Total Cov	31	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: <u>12.5</u>	20% of	total cover:		
Herb Stratum (Plot size: <u>30</u>) 1 Chasmanthium laxum	20	YES	FACW	¹ Indicators of hydric soil and wetland hydrology must
	10	YES	FAC	be present, unless disturbed or problematic.
2. Ligustrum sinense				Definitions of Four Vegetation Strata:
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5	·	<u> </u>		height.
6				Sapling/Shrub - Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9	_			of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11		_		height.
12				
	30	= Total Cov	er	
F00/ (LL) 15	20% of	total cover:	6	
50% of total cover: 15				
· · · · · · · · · · · · · · · · · · ·				
50% of total cover: <u>13</u> <u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1. Lygodium japonicum	5	YES	FAC	
Woody Vine Stratum (Plot size: <u>30</u>) 1. Lygodium japonicum	5	YES	FAC	
Woody Vine Stratum (Plot size: 30) 1. Lygodium japonicum 2	5	YES	FAC	
Woody Vine Stratum (Plot size: 30) 1. Lygodium japonicum 2.	5	YES	FAC	
Woody Vine Stratum (Plot size: 30) 1. Lygodium japonicum 2. 3.	<u>5</u>	YES	FAC	
Woody Vine Stratum (Plot size: 30) 1. Lygodium japonicum 2.				Hydrophytic Vegetation
Woody Vine Stratum (Plot size: 30) 1. Lygodium japonicum) 2		= Total Cov	 er	Hydrophytic Vegetation Present? Yes <u>X</u> No

	cription: (Describe	to the depti				or confirm	n the absence	e of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Feature %	es Type ¹	Loc ²	Texture	Remarks
0-3	10 YR 5/2	100				-	Silt Loam	Saturated
3-9	10 YR 4/2	100					Silt Loam	Saturated
9-16	10 YR 5/2		7.5 YR 4/6	10	С	M, PL	Silt Loam	Saturated
¹ Type: C=C Hydric Soil Histic E Histic E Black H Hydrog Stratifie Organic 5 cm M Quert 1 cm M Deplete Thick D Coast F Sandy Sandy Strippe Dark Su	Concentration, D=De Indicators: (Applie I (A1) pipedon (A2) listic (A3) en Sulfide (A4) d Layers (A5) b Bodies (A6) (LRR F ucky Mineral (A7) (L resence (A8) (LRR P, T) uck (A9) (LRR P, T) d Below Dark Surface ark Surface (A12) Prairie Redox (A16) (Mucky Mineral (S1) (Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P, 1) Layer (if observed)	pletion, RM=F cable to all L P, T, U) RR P, T, U) J) ce (A11) MLRA 150A) (LRR O, S)	Reduced Matrix, MS RRs, unless other Polyvalue Be Thin Dark Su Loamy Muck Loamy Gleyee Depleted Ma Redox Dark : Depleted Dar Redox Depreted Dar Marl (F10) (L Depleted Oct Iron-Mangan Umbric Surfa Delta Ochric Reduced Ver Piedmont Flo	S=Maske rwise no elow Surfa rrface (SS y Mineral ed Matrix trix (F3) Surface (rk Surface (F11) ese Mass ice (F13) (F17) (M tic (F18) bodplain S	ed Sand Gr ted.) ace (S8) (L B) (LRR S, I (F1) (LRR (F2) F6) e (F7) F8)) (MLRA 1 ses (F12) ((LRR P, T LRA 151) (MLRA 15 Soils (F19)	ains. .RR S, T, U T, U) & O) 51) LRR O, P, ; U) 50A, 150B) (MLRA 14	2Location: Indicators J) ☐ 1 cm I 2 cm I 2 cm I Reduct Piedm ☐ Anom (MLI ☐ Red P ☐ Very S ☐ Other .T) ³ Indic we unl 49A) A 149A, 153C	PL=Pore Lining, M=Matrix. 5 for Problematic Hydric Soils ³ : Muck (A9) (LRR O) Muck (A10) (LRR S) bed Vertic (F18) (outside MLRA 150A,B) nont Floodplain Soils (F19) (LRR P, S, T) alous Bright Loamy Soils (F20) RA 153B) Parent Material (TF2) Shallow Dark Surface (TF12) (Explain in Remarks) cators of hydrophytic vegetation and tland hydrology must be present, less disturbed or problematic.

Project/Site: Beauregard Airport Tract	City/County: DeRidder/Beauregard Sampling Date: 12-15-15					
Applicant/Owner: SJB Group LLC	State: LA Sampling Point: 8					
Investigator(s): C. Hoffpauir	Section, Township, Range: S11 T3S R10W					
	Local relief (concave, convex, none): <u>Convex</u> Slope (%): <u>1-5</u>					
Subregion (LRR or MLRA): LRR-T Lat: 4649						
Soil Map Unit Name: Guyton-Ouachita Silt Loams, Frequently F	Flooded (GYA) NWI classification:					
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes X No (If no, explain in Remarks.)					
Are Vegetation No, Soil No, or Hydrology No significantly	y disturbed? Are "Normal Circumstances" present? Yes X No					
Are Vegetation No_, Soil No_, or Hydrology No_ naturally pr	roblematic? (If needed, explain any answers in Remarks.)					
	g sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X						
Remarks: Recent Rainfall						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)						
High Water Table (A2)						
Saturation (A3)	그 옷을 잘 가지 않는 것이 같아요. 그는 것이 아무렇게 가지 않는 것이 가지 않는 것이 같아요. 이 것이 않는 것이 같아요. 이 있는 것이 같아요. 이 있는 것이 같아요. 이 있는 것이 같아요. 이 있는 것이 같아요. 이 있는 것이 같아요. 이 있는 것이 같아요. 이 있는 것이 같아요. 이 것이 같아요. 이 것이 같아요. 이 것이 같아요. 이 있는 것이 같아요. 이 있는 것이 같아요. 이 있는 것이 같아요. 이 있는 것이 같아요. 이 있는 것이 않아요. 이 있는 것이 같아요. 이 있는 것이 않아요. 이 있는 않아요. 이 있는 것이 않아요. 이 있는 ? 이 있는 ? 이 있는 ? 이 있는 ? 이 있 이 있는 것이 않아요. 이 있는 것이 않아요. 이 있는 ? 이 있 ? 이 있는 ? 이 있는 ? 이 있 ? 이 있 ? 이 있 ? 이 있 않아요. 이 있 ?					
Water Marks (B1)	heres along Living Roots (C3)					
Sediment Deposits (B2)	이번 사람은 것이 하셨는지, 그 것은 것이 되는 것 같은 것이 같아요. 것이 것이 것이 같아요. 것이 집에서 집에 들어졌다. 것이 같아요. 나는 것이 않아요. 나는 것이 않아요. 나는 것이 않아요. 나는 것이 않아요. 나는 것이 않아. 나는 것이 것이 것이 않아. 나는 않아. 나는 것이 않아. 나 ? 아. 나는 것이 않아. 나는 것이 않아.					
	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4) Thin Muck Surface						
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	s):					
Saturation Present? Yes <u>No X</u> Depth (inches (includes capillary fringe)	s): Wetland Hydrology Present? Yes No X					
Describe Recorded Data (stream gauge, monitoring well, aerial phot	tos, previous inspections), if available:					
Remarks:						
No Wetland Hydrology Observed.						

20		Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30</u>) 1. Fagus grandifolia		Species?		Number of Dominant Species
	20 5	YES	FACU	That Are OBL, FACW, or FAC: 5 (A)
2. Quercus alba	2	NO	FACU	Total Number of Dominant
3. Pinus taeda		NO	FAC	Species Across All Strata: 6 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 83 (A/B)
6				Prevalence Index worksheet:
7,			<u> </u>	Total % Cover of:Multiply by:
8				
		= Total Cov		OBL species x 1 =
50% of total cover: 13.5	20% of	total cover	5.4	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30)				FAC species x 3 =
1. Symplocos tinctoria	10	YES	FAC	FACU species x 4 =
2. Liquidambar styraciflua	5	NO	FAC	UPL species x 5 =
3. Vaccinium arboreum	5	NO	FACU	Column Totals: (A) (B)
4. Quercus alba	5	NO	FACU	Prevalence Index = B/A =
5. Ilex opaca	5	NO	FACU	Hydrophytic Vegetation Indicators:
6. Viburnum dentatum	2	NO	FACU	1 - Rapid Test for Hydrophytic Vegetation
7. Acer rubrum	2	NO	FAC	✓ 2 - Dominance Test is >50%
8.	1			\square 3 - Prevalence Index is $\leq 3.0^{1}$
	31	= Total Cov	er	
50% of total cover: 16.5	and the second sec	total cover		Problematic Hydrophytic Vegetation ¹ (Explain)
Herb Stratum (Plot size: <u>30</u>)				•
1 Symplocos tinctoria	5	YES	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic,
2 Acer rubrum	2	YES	FAC	Definitions of Four Vegetation Strata:
3. Ilex opaca	2	YES	FAC	Demittons of Four Vegetation Strata:
				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4			<u> </u>	more in diameter at breast height (DBH), regardless of height.
5				neight.
6	÷,		<u> </u>	Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12				
	9	= Total Cov	er	
50% of total cover: 4.5	20% of	total cover:	1.8	
Woody Vine Stratum (Plot size: 30)				
1. Smilax glauca	5	YES	FAC	
2				
3				
4				
5.	_			Hydrophytic
	5	= Total Cov	er	Vegetation
50% of total cover: 2.5	1	total cover:		Present? Yes X No
Remarks: (If observed, list morphological adaptations belo		tares a subs		
	w).			

		to the dept				or confirm	n the absence of inc	dicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Feature %	Type ¹	Loc ²	Texture	Remarks
0-6	10 YR 4/3	100					Silt Loam	
6-12	10 YR 5/3	100				· · · · ·	Silty Sand	
12-16	10 YR 6/4	100					Silty Sand	
						1		
					· · · · · · · · · · · · · · · · · · ·			
	4 4 <u></u>					<u> </u>		
	·						·	
1-	-							
	Concentration, D=De I Indicators: (Applie					ains.		ore Lining, M=Matrix.
Histosc		Subic to un t	Polyvalue Be		Section and a	RRST		N 2017년 1월 1월 2017년 1 1월 2017년 1월 2
	Epipedon (A2)		Thin Dark Su					A10) (LRR S)
	listic (A3)		Loamy Muck			0)		rtic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleye		(F2)			podplain Soils (F19) (LRR P, S, T)
	ed Layers (A5) c Bodies (A6) (LRR F	р. т. ш	Depleted Ma		-6)		(MLRA 15	Bright Loamy Soils (F20) 3B)
	lucky Mineral (A7) (L		Depleted Da					Material (TF2)
Muck P	Presence (A8) (LRR I	J)	Redox Depre	essions (F	8)			v Dark Surface (TF12)
	luck (A9) (LRR P, T)		Marl (F10) (L			20	U Other (Expla	in in Remarks)
	ed Below Dark Surfaction Dark Surface (A12)	ce (A11)	Depleted Oc				T) ³ Indicators	of hydrophytic vegetation and
	Prairie Redox (A16) (MLRA 150A						ydrology must be present,
	Mucky Mineral (S1)		Delta Ochric					sturbed or problematic.
	Gleyed Matrix (S4)		Reduced Ver			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Redox (S5)		Piedmont Flo					
	d Matrix (S6) urface (S7) (LRR P, 1	S. T. U)		singht Loa	my Solis (i	-20) (WILF	RA 149A, 153C, 153D))
	Layer (if observed)							
Type:								
Depth (ir	nches):						Hydric Soil Prese	ent? Yes No_X
Remarks:								

Project/Site: Beauregard Airport Tract	Citv/Coun	v: DeRidder/Bea	auregard	Sampling Date: 12-15-15
Applicant/Owner: SJB Group LLC				Sampling Point: 9
Investigator(s): C. Hoffpauir	Section. T	ownship, Range: S2		
Landform (hillslope, terrace, etc.): Mound				Slope (%): 1-3
Subregion (LRR or MLRA): LRR-T	Lat: 465913	Lona: 3	410614	Datum: UTM NAD 83
Soil Map Unit Name: Caddo-Messer Complex, 0-1 P	ercent Slopes (CdA)		NWI classific	cation: None
Are climatic / hydrologic conditions on the site typical for the				
	significantly disturbed?			present? Yes X No
Are Vegetation No_, Soil No_, or Hydrology No			xplain any answe	그 사람이 가슴에 다 아파
SUMMARY OF FINDINGS – Attach site map			1	
		ng point locatio	ns, transeets	, important reatures, etc.
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes	No Is f	the Sampled Area		
Hydric Soil Present? Yes	No X wit	hin a Wetland?	Yes	No X
Wetland Hydrology Present? Yes Remarks:	No <u>^</u>			
HYDROLOGY	15			
Wetland Hydrology Indicators:	and the solution			ators (minimum of two required)
Primary Indicators (minimum of one is required; check al			Surface Soil	
	c Fauna (B13) eposits (B15) (LRR U)		Drainage Pa	getated Concave Surface (B8)
	gen Sulfide Odor (C1)		Moss Trim L	
	ed Rhizospheres along	Living Roots (C3)		Water Table (C2)
	nce of Reduced Iron (C	and a second	Crayfish Bur	and the second sec
	t Iron Reduction in Tille	d Soils (C6)		isible on Aerial Imagery (C9)
	luck Surface (C7)			Position (D2)
비행 프라이트 이 이 이 방법을 통하는 것이 가지 않는 것이 가지 않는 것이 가지 않는 것이 같이 많이 있는 것이 같이 많이 했다.	(Explain in Remarks)		Shallow Aqu	A DECEMBER OF THE OWNER OWNER OF THE OWNER
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)			FAC-Neutral	noss (D8) (LRR T, U)
Field Observations:				
Surface Water Present? Yes No X D	epth (inches):			
Water Table Present? Yes No X D	epth (inches):			
Saturation Present? Yes No X D	epth (inches):	Wetland H	ydrology Preser	nt? Yes <u>No X</u>
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well	aerial photos, previou	s inspections), if ava	lable:	
	, action building biothor	•		
Remarks:				
No wetland hydrology observed				
ne nekana njarelogy obcerred				

Tree Stratum (Plot size: 30)	ribooraro	Dominal	t Indicator	Dominance Test worksheet:		
1. Pinus elliottii	<u>% Cover</u> 40	Species YES	? <u>Status</u> FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	4	(A)
2				Total Number of Dominant Species Across All Strata:	8	(B)
4	·	-		Percent of Dominant Species That Are OBL, FACW, or FAC:	50	(A/B)
6					1	
7				Prevalence Index worksheet:		
3	_	-		Total % Cover of:		
	40	= Total C	over	OBL species x		
50% of total cover: 20	20% 0	f total cove	er: <u>8</u>	FACW species x		
Sapling/Shrub Stratum (Plot size: <u>30</u>)				FAC species x		
Ilex vomitoria	30	YES	FAC	FACU species x		
Liquidambar styraciflua	10	YES	FAC	UPL species x	5 =	-
Vaccinium arboreum	10	YES	FACU	Column Totals: (A	A)	(B)
Morella cerifera	5	NO	FAC	Devialence lader - D(A		
	-	(.		Prevalence Index = B/A =		_
				Hydrophytic Vegetation Indica		
·				1 - Rapid Test for Hydrophy	a second second second second	
	·			2 - Dominance Test is >50%		
	55		· — — ·	3 - Prevalence Index is ≤3.0)1	
07.5		= Total Co		Problematic Hydrophytic Ve	getation ¹ (Expla	ain)
50% of total cover: 27.5	20% o	f total cove	er: <u>b</u>			
l <u>erb Stratum</u> (Plot size: <u>30</u>) Vaccinium arboreum	10	YES	FACU	¹ Indicators of hydric soil and we be present, unless disturbed or		must
Liquidambar styraciflua	5	YES	FAC	Definitions of Four Vegetation	Strata:	-
Eupatorium capillifolium	5	YES	FACU			
Aristida purpurea	2	NO	FACW	Tree – Woody plants, excluding more in diameter at breast heigh		
, and the first free free state	-	-				
				height.		
· · · · · · · · · · · · · · · · · · ·				height.	excluding vines	s. less
·						
· · · · · · · · · · · · · · · · · · ·				height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than	3.28 ft (1 m) tal	l.
			_	height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-woo	3.28 ft (1 m) tal	l.
			_	height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	II. ardiess
 0			_	height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines g	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless
 0 1			_	height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless
 0 1				height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines g	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless
 0 1 2	22			height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines g	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless
0	22			height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines g	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless
0	 20% o	= Total Co		height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines g	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless
0	22			height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines g	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless
0	 20% o	= Total Co		height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines g	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless
0 1 2 50% of total cover: 11 Voody Vine Stratum (Plot size: 30) Smilax glauca	 20% o	= Total Co		height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines g	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless
	 20% o	= Total Co		height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines g	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless
0 1 2 50% of total cover: 11 Voody Vine Stratum (Plot size: 30) Smilax glauca	 20% o	= Total Co		height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines of height.	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless
50% of total cover: <u>11</u> <u>50% of total cover: 11</u> <u>Voody Vine Stratum</u> (Plot size: <u>30</u>) <u>Smilax glauca</u>	 20% o	= Total Co		height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines g	3.28 ft (1 m) tal	ll. ardless
5	22 20% o 5 5	= Total Cove	FAC FAC Description	height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less th Woody vine – All woody vines of height. Hydrophytic	3.28 ft (1 m) tal ody) plants, rega nan 3.28 ft tall.	ll. ardless

Profile Des Depth	scription: (Describe Matrix	e to the depth		ment the x Feature		or confirn	n the absence of i	ndicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	_Loc ²	Texture	Remarks
0-6	10 YR 4/3	100					Silt Loam	
6-12	10 YR 5/4	100					Silt Loam	
12-16	10 YR 6/4	100					Silt Loam	
				_	_			
Hydric Soi Histoso Histoso Black I Black I Hydrog Stratifiu Organi 5 cm M Muck F 1 cm M Depletu Thick I Sandy Sandy Sandy Sandy Sandy Dark S Restrictive	Concentration, D=De I Indicators: (Appli ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) c Bodies (A6) (LRR I Aucky Mineral (A7) (L Presence (A8) (LRR P, T) ed Below Dark Surfa Dark Surface (A12) Prairie Redox (A16) (Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) ed Matrix (S6) urface (S7) (LRR P, Layer (if observed nches):	cable to all Ll P, T, U) .RR P, T, U) U) ce (A11) (MLRA 150A) (LRR O, S) S, T, U)	RRs, unless other Polyvalue Be Thin Dark Su Loamy Muck: Loamy Gleye ✓ Depleted Mai Redox Dark S Depleted Dar Redox Depre Marl (F10) (L Depleted Oct Iron-Mangam Umbric Surfa Delta Ochric Reduced Ver Piedmont Floc	wise not low Surfa rrface (S9 y Mineral d Matrix (trix (F3) Surface (F k Surface essions (F .RR U) nric (F11) ese Mass ice (F13) ((F17) (ML tic (F18) (bodplain S	ed.) ce (S8) (L) (LRR S, (F1) (LRR (F2) 6) e (F7) 8) (MLRA 15 es (F12) (I (LRR P, T .RA 151) (MLRA 15 ioils (F19)	RR S, T, U T, U) O) LRR O, P, U) 0A, 150B) (MLRA 14	Indicators for J) 1 cm Muck 2 cm Muck Reduced V Piedmont F Anomalous (MLRA 1 Red Paren Very Shallo Other (Exp T) ³ Indicator wetland unless o 19A) A 149A, 153C, 153	t Material (TF2) ow Dark Surface (TF12) lain in Remarks) s of hydrophytic vegetation and hydrology must be present, disturbed or problematic.

Project/Site: Beauregard Airport Tract	City/County: Del	Ridder/Beauregard	_ Sampling Date: 12-15-15
Applicant/Owner: SJB Group LLC		State: LA	
Investigator(s): C. Hoffpauir		o, Range: S2 T3S R10W	
Landform (hillslope, terrace, etc.): Intermound		ave, convex, none): None	Slope (%). 0
Subregion (LRR or MLRA): LRR-T	465886	Long: 3410695	Datum: Datum:
Soil Map Unit Name: Caddo-Messer Complex, 0-1 Perc	ent Slopes (CdA)	NWI classif	
Are climatic / hydrologic conditions on the site typical for this t			
그는 이번 아름이 가지 아들을 못 가지 않는 것 같아? 아들은 것 같아? 아들은 것 같아? 나는 것 같아?			present? Yes X No
Are vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> nat			
		(If needed, explain any answ	
SUMMARY OF FINDINGS – Attach site map sl	nowing sampling po	int locations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Yes X No.	1.		
Hydric Soil Present? Yes X No		npled Area	
	within a W	retland? Yes <u>**</u>	No
Remarks:			
HYDROLOGY			
Wetland Hydrology Indicators:	m. du	1	cators (minimum of two required)
Primary Indicators (minimum of one is required; check all that			il Cracks (B6)
	auna (B13)		egetated Concave Surface (B8)
	sits (B15) (LRR U) Sulfide Odor (C1)		atterns (B10)
	Rhizospheres along Living I		Water Table (C2)
	of Reduced Iron (C4)	Crayfish Bu	
Drift Deposits (B3)	n Reduction in Tilled Soils	(C6) 🔲 Saturation	visible on Aerial Imagery (C9)
	Surface (C7)		c Position (D2)
	olain in Remarks)	Shallow Aq	and the second
Inundation Visible on Aerial Imagery (B7)		FAC-Neutra	an and distant to have not on the same time.
Water-Stained Leaves (B9)			moss (D8) (LRR T, U)
Surface Water Present? Yes X No Depth	(inches): 0.5		
Water Table Present? Yes No X Depth			
	n (inches): 0-16	Wetland Hydrology Prese	ent? Yes X No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, ae	rial photos, previous inspec	ctions), if available:	
Remarks:			
Remarks.			

	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>20</u>) <u>1</u> Pinus elliottii		Species? YES		Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
2. Nyssa sylvatica 3.	2	NO	FAC	Total Number of Dominant Species Across All Strata: 5 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: <u>100</u> (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8	22	= Total Cov		OBL species x 1 =
50% of total cover: 11				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 20)	20 % 01	total cover	· <u>· · · · · · ·</u>	FAC species x 3 =
1 Triadica sebifera	30	YES	FAC	FACU species x 4 =
2. Morella cerifera	10	YES	FAC	UPL species x 5 =
3. Ilex vomitoria	2	NO	FAC	Column Totals: (A) (B)
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is $\leq 3.0^{1}$
		= Total Cov		Problematic Hydrophytic Vegetation ¹ (Explain)
	20% o	f total cover	: 8.4	
Herb Stratum (Plot size: 20)				¹ Indicators of hydric soil and wetland hydrology must
1. Carex glaucescens	30	YES	OBL	be present, unless disturbed or problematic.
2. Muhlenbergia expansa	10	NO	FACW	Definitions of Four Vegetation Strata:
3. Panicum rigidulum	5	NO	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Andropogon virginicus	5	NO	FAC	more in diameter at breast height (DBH), regardless of
5. Xyris caroliniana	2	NO	FACW	height.
6. Rhexia mariana	2	NO	FACW	Sapling/Shrub – Woody plants, excluding vines, less
7		1000	200	than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				
11.		(<u> </u>		Woody vine – All woody vines greater than 3.28 ft in height.
A Contraction of the second seco				neight.
12	54	= Total Co		
50% of total cover: 27		f total cover		
	20% 0	i total cover		
Woody Vine Stratum (Plot size: 20) 1. Rubus argutus	5	YES	FAC	
		1113	140	
2				
3				
4				
5				Hydrophytic
10 to 10	5	= Total Co	ver	Vegetation Present? Yes X No
50% of total cover: 2.5	20% 0	f total cover	r. <u>1</u>	Fresent? Tes No
Remarks: (If observed, list morphological adaptations be	low).			
Remarks: (If observed, list morphological adaptations be	low).			

	cription: (Describe	to the dep				or confirm	n the absence	of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	dox Feature %	Type ¹	Loc ²	Texture	Remarks
0-10	10 YR 5/2	90	7.5 YR 4/6	10	C	M, PL	Silt Loam	Remarks
10-16	10 YR 6/2	80	10 YR 5/8	20	C	M, PL	Silt Loam	
10-10	10 11 0/2		10 11 3/6		0		Sill Loan	
	1		1		-			
			1					
						1		
<u> </u>	-							
17			Deducation				21	
	oncentration, D=Dep Indicators: (Applie					ains.		PL=Pore Lining, M=Matrix.
Histosol	and the second second second second	sable to all	Polyvalue E			PPSTI		Muck (A9) (LRR O)
	oipedon (A2)		Thin Dark S				and the second sec	Muck (A10) (LRR S)
	istic (A3)		Loamy Muc	A DECEMBER OF			A CONTRACT OF A CONTRACT OF	ed Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gle				and the second se	ont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted M	latrix (F3)			and the second	alous Bright Loamy Soils (F20)
Organic	Bodies (A6) (LRR F	P, T, U)	Redox Darl	Second and a				RA 153B)
	ucky Mineral (A7) (L							arent Material (TF2)
	esence (A8) (LRR I	(ר	Redox Dep		8)			Shallow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10)				U Other	(Explain in Remarks)
	d Below Dark Surfac ark Surface (A12)	ce (A11)	Depleted C		· · · · · · · · · · · · · · · · · · ·		T) ³ India	cators of hydrophytic vegetation and
	rairie Redox (A16) (MI RA 1504						tland hydrology must be present,
	lucky Mineral (S1) (Delta Ochri			, 0,		ess disturbed or problematic.
	Bleyed Matrix (S4)		Reduced V			0A, 150B)		
	Redox (S5)		Piedmont F		·			
	Matrix (S6)		Anomalous	Bright Loa	my Soils (F20) (MLR	A 149A, 153C	, 153D)
	rface (S7) (LRR P,						1	
	Layer (if observed)	:						
Type:	The second s		<u> </u>				A. 13. 6.1	×
Depth (in	ches):		<u> </u>				Hydric Soil	Present? Yes X No
Remarks:								

hty: DeRidder/Beauregard Sampling Date: 12-15-15 State: LA Sampling Point: 11 Township, Range: S12 T3S R10W Slope (%): 1-3 ef (concave, convex, none): Convex Slope (%): 1-3
Township, Range: S12 T3S R10W ef (concave, convex, none): Convex Slope (%): 1-3 Long: 3409898 Datum: UTM NAD 83 NWI classification: None X No (If no, explain in Remarks.) Re "Normal Circumstances" present? Yes X No (If needed, explain any answers in Remarks.) ing point locations, transects, important features, etc. the Sampled Area
ef (concave, convex, none): <u>Convex</u> Slope (%): <u>1-3</u> Long: <u>3409898</u> Datum: <u>UTM NAD 83</u> NWI classification: <u>None X No (If no, explain in Remarks.) R Are "Normal Circumstances" present? Yes <u>X</u> No (If needed, explain any answers in Remarks.) ing point locations, transects, important features, etc. the Sampled Area</u>
X No NVI classification: None X No (If no, explain in Remarks.)
X No (If no, explain in Remarks.) I? Are "Normal Circumstances" present? Yes X No ? (If needed, explain any answers in Remarks.) No ing point locations, transects, important features, etc. the Sampled Area
Secondary Indicators (minimum of two required)
Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) g Living Roots (C3) Dry-Season Water Table (C2) C4) Crayfish Burrows (C8) ed Soils (C6) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Wetland Hydrology Present? Yes No X
us inspections), if available:
as inspections), it available.

Sam	nlina	Point:	11
Jan		I Unit.	

Status Number of Dominant Species AC That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant species Across All Strata: 4 (B) Percent of Dominant Species 50 (A/B) Prevalence Index worksheet: 50 (A/B) OBL species x 1 = (A) FACW species x 2 = (A) FACU species x 3 = (B) Prevalence Index worksheet: (A/B) (B) FACW species x 1 = (A) FACW species x 2 = (A) FACU species x 4 = (B) QPL Olumn Totals: (A) (B) AC Prevalence Index = B/A = (B) AC Prevalence Index = B/A = (B) AC Prevalence Index is <50% (B) AC 3 - Prevalence Index is <3.01 (B) Problematic Hydrophytic Vegetation 1 (Explain) 1 1 1 ndicators of hydric soil and wetland hydrology must 1
AC That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B) Prevalence Index worksheet:
Species Across All Strata:4(B)Percent of Dominant Species That Are OBL, FACW, or FAC:50(A/B)Prevalence Index worksheet:
Species Across All Strata:4(B)Percent of Dominant Species That Are OBL, FACW, or FAC:50(A/B)Prevalence Index worksheet:
Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)Prevalence Index worksheet:Total % Cover of:Multiply by:OBL species $x 1 =$ FACW species $x 2 =$ FAC species $x 3 =$ FAC species $x 4 =$ UPL species $x 5 =$ Column Totals:(A)Column Totals:(B)Prevalence Index = B/A =Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%3 - Prevalence Index is $\leq 3.0^1$ Problematic Hydrophytic Vegetation ¹ (Explain)
That Are OBL, FACW, or FAC: 50 (A/B) Prevalence Index worksheet:
Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species $x 1 =$ FACW species $x 2 =$ FAC species $x 3 =$ FACU species $x 5 =$ OUPL species $x 5 =$ OUPL species $x 6 =$ PL Olumn Totals: OU Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ Problematic Hydrophytic Vegetation ¹ (Explain) 'Indicators of hydric soil and wetland hydrology must
$\frac{\text{Total \% Cover of:}}{OBL species} \\ x 1 = \underline{\qquad} \\ OBL species \\ x 2 = \underline{\qquad} \\ FACW species \\ x 3 = \underline{\qquad} \\ FACU species \\ x 4 = \underline{\qquad} \\ VPL species \\ x 5 = \underline{\qquad} \\ Column Totals: \\ Column Totals: \\ AC \\ Prevalence Index = B/A = \underline{\qquad} \\ Hydrophytic Vegetation Indicators: \\ 1 - Rapid Test for Hydrophytic Vegetation \\ 2 - Dominance Test is >50% \\ 3 - Prevalence Index is ≤3.0' \\ Problematic Hydrophytic Vegetation' (Explain) \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators of hydric soil and wetland hydrology must \\ 1 - Indicators I - Indicators I$
OBL species x 1 = FACW species x 2 = FAC species x 3 = FAC species x 4 = UPL species x 5 = Column Totals: (A) OBL revalence Index = B/A = (B) Prevalence Index = B/A = 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must
FACW species x 2 = FAC species x 3 = FAC species x 4 = PL UPL species ACU Column Totals: ACU Column Totals: ACU Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must
FACW species x 2 = FAC species x 3 = FAC species x 4 = PL UPL species ACU Column Totals: ACU Column Totals: ACU Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must
FAC species x 3 = FACU species x 4 = PL UPL species x 5 = ACU Column Totals: (A) (B) AC Prevalence Index = B/A = (B) AC Prevalence Index = b/A = (B) AC 1 - Rapid Test for Hydrophytic Vegetation 1 AC 2 - Dominance Test is >50% 3 - Prevalence Index is <3.01
AC FACU species x 4 =
PL UPL species x 5 = ACU Column Totals: (A) AC Prevalence Index = $B/A =$ (B) Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ Problematic Hydrophytic Vegetation ¹ (Explain) .4 'Indicators of hydric soil and wetland hydrology must
ACU Column Totals:
AC Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must
Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must
1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must
2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must
2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must
.4 3 - Prevalence Index is ≤3.0 ¹ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must
.4 Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must
.4 Indicators of hydric soil and wetland hydrology must
¹ Indicators of hydric soil and wetland hydrology must
Indicators of hydric soil and wetland hydrology must
ACU be present, unless disturbed or problematic.
AC Definitions of Four Vegetation Strata:
ACU
Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
AC more in diameter at breast height (DBH), regardless of height.
AC Height.
Sapling/Shrub – Woody plants, excluding vines, less
than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Herb – All herbaceous (non-woody) plants, regardless
of size, and woody plants less than 3.28 ft tall.
Woody vine – All woody vines greater than 3.28 ft in
height.
3
ACU
Hydrophytic
Vegetation

Profile Des	cription: (Describ	e to the depth				or confirn	n the absence of in	dicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Features %	3 Type ¹	Loc ²	Texture	Remarks
(inches) 0-3	10 YR 3/2	100		/0			Silt Loam	Remarks
3-9	10 YR 4/3	100			;		Silt Loam	
9-16	7.5 YR 5/6	100 -					Silt Loam	
9-10	7.5 TK 5/0						Silt Loan	
	-	- (<u> </u>	·	
						_		
	oncentration, D=De					ains.		Pore Lining, M=Matrix.
	Indicators: (Appli	cable to all L						Problematic Hydric Soils ³ :
Histoso	l (A1) pipedon (A2)		Polyvalue B				and the second sec	(A9) (LRR O) (A10) (LRR S)
	istic (A3)		Loamy Mucl					ertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley	and the second second			and the second se	loodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma					Bright Loamy Soils (F20)
	Bodies (A6) (LRR		Redox Dark					
	ucky Mineral (A7) (I resence (A8) (LRR		Depleted Da					Material (TF2) w Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (the second second second second	-/			ain in Remarks)
	d Below Dark Surfa	ce (A11)	Depleted Oc					
	ark Surface (A12)		Iron-Mangar					of hydrophytic vegetation and
	rairie Redox (A16) Aucky Mineral (S1)		Delta Ochric			, 0)		hydrology must be present, listurbed or problematic.
	Gleyed Matrix (S4)	(2,11,10,0)	Reduced Ve			0A, 150B)		interest of prosidinatio.
Sandy F	Redox (S5)		Piedmont FI	oodplain Se	oils (F19)	(MLRA 14	49A)	
	Matrix (S6)		Anomalous	Bright Loan	ny Soils (I	F20) (MLR	RA 149A, 153C, 153	D)
	Irface (S7) (LRR P, Layer (if observed						1	
Type:	Layer (il observed	/.						
Depth (in	ches):		-				Hydric Soil Pres	sent? Yes No_X
Remarks:							14.4.54	
				_				

Project/Site: Beauregard Airport Tract	_ City/County: DeRidder/Beauregard Sampling Date: 12-15-15
Applicant/Owner: SJB Group LLC	State: LA Sampling Point: 12
	Section, Township, Range: S11 T3S R10W
	Local relief (concave, convex, none): Convex Slope (%): 3-5
Subregion (LRR or MLRA): LRR-T Lat: 465	Display in the second
Soil Map Unit Name: Malbis Fine Sandy Loam, 3-5 Percent S	Slopes (MbC)
Are climatic / hydrologic conditions on the site typical for this time o	
Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> significan	
Are vegetation <u>No</u> , soil <u>No</u> , or Hydrology <u>No</u> naturally	
SUMMARY OF FINDINGS – Attach site map showi	ng sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	
Hydric Soil Present? Yes No X	is the ballplet Area
Wetland Hydrology Present? Yes No X	within a Wetland? Yes <u>No X</u>
Remarks:	
Recent rainfall	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that app	
Surface Water (A1)	
High Water Table (A2) Marl Deposits (B Saturation (A3) Hydrogen Sulfid	
	pheres along Living Roots (C3) Ury-Season Water Table (C2)
Sediment Deposits (B2)	
	luction in Tilled Soils (C6)
Algal Mat or Crust (B4)	
Iron Deposits (B5)	n Remarks) 📃 Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No X Depth (inch	
Water Table Present? Yes No X Depth (inch	
Saturation Present? Yes <u>No X</u> Depth (inch (includes capillary fringe)	es): Wetland Hydrology Present? Yes No X
Describe Recorded Data (stream gauge, monitoring well, aerial ph	otos, previous inspections), if available:
Remarks:	

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30</u>) 1. Pinus palustris	<u>% Cover</u> 30	Species? YES	Status FAC	Number of Dominant Species That Are OBL, FACW, or FAC: ⁸ (A)		
2. Pinus taeda 3.	10	YES	FAC	Total Number of Dominant Species Across All Strata: 8 (B)		
4						
5				Percent of Dominant Species		
6				That Are OBL, FACW, or FAC: 100 (A/B)		
7		-		Prevalence Index worksheet:		
8.		-		Total % Cover of: Multiply by:		
0	40	= Total Cov		OBL species x 1 =		
50% of total cover: 20				FACW species x 2 =		
	20% 01	total cover	· — · ·	FAC species x 3 =		
<u>Sapling/Shrub Stratum</u> (Plot size: <u>30</u>) 1. Liquidambar styraciflua	10	YES	FAC	FACU species x 4 =		
2. Ilex vomitoria	10	YES	FAC	UPL species x 5 =		
3. Morella cerifera	10	YES	FAC	Column Totals: (A) (B)		
				······································		
4. Prunus serotina	2	NO	FACU	Prevalence Index = B/A =		
5. Vaccinium arboreum		NO	FACU	Hydrophytic Vegetation Indicators:		
6			\longrightarrow	1 - Rapid Test for Hydrophytic Vegetation		
7				2 - Dominance Test is >50%		
8				3 - Prevalence Index is ≤3.0 ¹		
	34	= Total Cov	/er	Problematic Hydrophytic Vegetation ¹ (Explain)		
50% of total cover: 17	20% of	total cover	6.8			
Herb Stratum (Plot size: 30)				¹ Indicators of hydric soil and wetland hydrology must		
1. Andropogon virginicus	30	YES	FAC	be present, unless disturbed or problematic.		
2. Muhlenbergia capillaris	10	YES	FAC	Definitions of Four Vegetation Strata:		
3. Panicum rigidulum	2	NO	FACW			
	-		<u>,</u>	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or		
4				more in diameter at breast height (DBH), regardless of height.		
5						
6				Sapling/Shrub – Woody plants, excluding vines, less		
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.		
8				Herb - All herbaceous (non-woody) plants, regardless		
9				of size, and woody plants less than 3.28 ft tall.		
10				Woody vine – All woody vines greater than 3.28 ft in		
11				height.		
12.		_				
	42	= Total Cov	/er			
50% of total cover: 21	20% of	total cover	8.4			
Woody Vine Stratum (Plot size: 30)			1.000			
1. Rubus argutus	5	YES	FAC			
2.						
			(<u> </u>			
3	·		·			
4.				the side of the second s		
		- 20 212		Hydrophytic		
5	5 = Total Cover			Vegetation		
5 50% of total cover: 2.5		total cover		Present? Yes X No		

	cription: (Describe	e to the dept				or confirm	n the absence	of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Features %	Type ¹	_Loc ²	Texture	Remarks
0-12	10 YR 4/3	100			туре	LUC	Silt Loam	Remarks
12-16	10 YR 5/4					-	A STATE OF LOT AND A STATE	
12-10	10 TR 5/4			·		<u></u>	Silt Loam	
		_						
							, <u> </u>	
	-							
	oncentration, D=De					ains.		PL=Pore Lining, M=Matrix.
	Indicators: (Applie	cable to all L			1.19			for Problematic Hydric Soils ³ :
Histoso			Polyvalue Be				and the second se	uck (A9) (LRR O)
	pipedon (A2) istic (A3)		Thin Dark Su					uck (A10) (LRR S)
	en Sulfide (A4)		Loamy Muck			0)		ed Vertic (F18) (outside MLRA 150A,B)
	d Layers (A5)		Depleted Ma		2)			ont Floodplain Soils (F19) (LRR P, S, T) lous Bright Loamy Soils (F20)
	Bodies (A6) (LRR F	P. T. U)	Redox Dark		3)			A 153B)
	ucky Mineral (A7) (L		Depleted Da	a service state of the service of th	- /			irent Material (TF2)
Muck P	resence (A8) (LRR I	J)	Redox Depre					nallow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (L	.RR U)				Explain in Remarks)
	d Below Dark Surfac	ce (A11)	Depleted Oc			and the second sec	10 T 10 T	
	ark Surface (A12)		Iron-Mangan					ators of hydrophytic vegetation and
	Prairie Redox (A16) (Mucky Mineral (S1) (· · · · · · · · · · · · · · · · · · ·	Umbric Surfa			, U)		and hydrology must be present,
	Gleyed Matrix (S4)	LINK 0, 5)	Reduced Ver	and the second sec		04 150B)		ss disturbed or problematic.
	Redox (S5)		Piedmont Flo			State of the state		
	d Matrix (S6)						A 149A, 153C,	153D)
Dark SL	Inface (S7) (LRR P,	S, T, U)						
Restrictive	Layer (if observed)	:					1	
Type:			<u> </u>				1	
Depth (in	ches):						Hydric Soil I	Present? Yes <u>No X</u>
Remarks:								

Project/Site: Beauregard Airport Tract	City/County: DeRidder/Beauregard Sampling Date: 12-15-15
Applicant/Owner: SJB Group LLC	State: LA Sampling Point: 13
	Section, Township, Range: S11 T3S R10W
	Local relief (concave, convex, none): Concave Slope (%): 0-1
Subregion (LRR or MLRA): LRR-T Lat: 4655	51 Long: 3409430 Datum: UTM NAD 83
Soil Map Unit Name: Guyton-Ouachita Silt Loams, Frequently F	Flooded (GYA)
Are climatic / hydrologic conditions on the site typical for this time of yo	
Are Vegetation No_, Soil No_, or Hydrology No_ significantly	
Are Vegetation No_, Soil No_, or Hydrology No_ naturally pr	
	g sampling point locations, transects, important features, 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:	
Recent rainfall	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	
Surface Water (A1)	— , , , , ,
High Water Table (A2) Saturation (A3) Marl Deposits (B1:	
	Odor (C1) Moss Trim Lines (B16) heres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)	그 같은 것에서 이 것 같아요. 한 것은 것 같아요. 이 📻 것이 것 것 같아요. 것 같은 것 수 없는 것 같아요. 것 같아요. 것 같아요. 이 있 것 같아요. 이 것 않아요. 이 것 이 없다. 이 것 않아요. 이 것 않아요. 이 것 않아요. 이 집 이 없다. 이 있 않아요. 이 것 않아요. 이 있 않아요. 이 것 않아요. 이 것 않아요. 이 것 않아요. 이 집 이 없다. 이 있 않아요. 이 것 않아요. 이 집 이 없다. 이 집 이 있 않아요. 이 집 이 없 이 집 이 없다. 이 집 이 집 이 집 이 집 이 없 이 집 이 집 이 집 이 집 이 집
	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	
Iron Deposits (B5)	
Inundation Visible on Aerial Imagery (B7) Vater-Stained Leaves (B9)	FAC-Neutral Test (D5)
Field Observations:	Sphagnum moss (D8) (LRR T, U)
	s): 0-4"
Surface Water Present? Yes X No Depth (inches Water Table Present? Yes X No Depth (inches); @ 13" BGS
Saturation Present? Yes X No Depth (inches	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial phote	os, previous inspections) if available:
Remarks:	
Area is adjacent to small drain leading to creel	k

Tree Stratum (Plot size: 20)			nt Indicator	Dominance Test worksheet:
	<u>% Cover</u> N/A		<u>Status</u>	Number of Dominant Species
		N/A	N/A	That Are OBL, FACW, or FAC: 5 (A)
2				Total Number of Dominant Species Across All Strata: <u>5</u> (B)
4				Demont of Deminent On arise
5	· · · · · · · · · · · · · · · · · · ·	_		Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B
6				
7				Prevalence Index worksheet:
8.			100000	Total % Cover of:Multiply by:
	N/A	= Total C	over	OBL species x 1 =
50% of total cover; N/A	20% 0			FACW species x 2 =
22	20% 0	i total cov	er. <u></u>	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: <u>20</u>) 1. Pinus taeda	20	YES	FAC	FACU species x 4 =
2. Liquidambar styraciflua			-	UPL species x 5 =
		YES	FAC	
Morella cerifera	10	YES	FAC	Column Totals: (A) (B)
4			_	Prevalence Index = B/A =
5	1			Hydrophytic Vegetation Indicators:
ð				1 - Rapid Test for Hydrophytic Vegetation
7				
3.		-		
	40	= Total C		3 - Prevalence Index is ≤3.0 ¹
50% of latel array 20				Problematic Hydrophytic Vegetation ¹ (Explain)
	20% of	t total cov	er:	
Herb Stratum (Plot size: 20)	50	VEO	510	¹ Indicators of hydric soil and wetland hydrology must
1. Andropogon virginicus	50	YES	FAC	be present, unless disturbed or problematic.
2. Panicum rigidulum	10	NO	FACW	Definitions of Four Vegetation Strata:
Andropogon capillipes	10	NO	FAC	Tree Mondu planta avaluding vince 2 in (7.0 cm)
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o more in diameter at breast height (DBH), regardless of
5				height.
6				
				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				
3				Herb – All herbaceous (non-woody) plants, regardless
B 9				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
8 9 10		-		of size, and woody plants less than 3.28 ft tall.
3 9 0		-		
3 9 10 11		-		of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
3 9 0 1		-	_	of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
3 9 10 11	70		over	of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
3 0 1 2 50% of total cover: <u>35</u>	70	= Total C	over	of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
3	70	= Total C	over. er: 14	of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
3 9 10 11 12 12 50% of total cover: <u>35</u> 50% of total cover: <u>35</u> <u>50% of total cover</u> : <u>35</u>	 	= Total C	over	of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
3 9 10 11 12 12 50% of total cover: <u>35</u> 50% of total cover: <u>35</u> <u>50% of total cover</u> : <u>35</u> <u>50% of total cover</u>]	 	= Total C	over. er: 14	of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
3 9 10 11 12	 	= Total C	over. er: 14	of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
3 9 10 11 12 12 50% of total cover: <u>35</u> 50% of total cover: <u>35</u> <u>50% of total cover</u> : <u>35</u> <u>50% of total cover</u>]	 	= Total C	over. er: 14	of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
3	20% of	Total C f total cove	over er: 14 FACW	of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
3	20% of	= Total C	over er: 14 FACW	of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.

	Matrix Color (moist)	%	Color (moist)	dox Feature %	es Type ¹	Loc ²	Texture	Remarks
(inches) 0-3	10 YR 4/2	100					Silt Loam	Saturated
3-10	10 YR 5/2	90	7.5 YR 5/8	10	С	M, PL	Silt Loam	Saturated
10-12	10 YR 6/2	80	7.5 YR 4/6	20	<u>C</u>	<u>M, PL</u>	Silt Loam	Saturated; Fe&Mn masses
Hydric Soil Histosc Histic E Black H Hydrog Stratifie Organid 5 cm M Muck F 1 cm M Deplete Thick D Coast F Sandy Sandy Strippe Dark Strippe	Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) c Bodies (A6) (LRR P lucky Mineral (A7) (LF Presence (A8) (LRR U luck (A9) (LRR P, T) ed Below Dark Surfac Dark Surface (A12) Prairie Redox (A16) (N Mucky Mineral (S1) (L Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P, S Layer (if observed):	able to all r, T, U) RR P, T, U) I) e (A11) MLRA 1504 LRR O, S) S, T, U)	LRRs, unless oth Polyvalue B Thin Dark S Loamy Muc Loamy Gley Depleted M Redox Darl Depleted D Redox Dep Marl (F10) Depleted O Iron-Manga Umbric Sur Delta Ochri Reduced V Piedmont F	erwise not Below Surface (SS Surface (SS Sky Mineral yed Matrix latrix (F3) k Surface (I ark Surface (I ark Surface (F1) c (F11) nese Mass face (F13) c (F17) (Mi ertic (F18) Toodplain S	ted.) ace (S8) (L)) (LRR S, (F1) (LRR (F2) F6) e (F7) F8) (MLRA 1 LRA 151) (MLRA 15 Soils (F19)	.RR S, T, I T, U) ₹ O) 51) LRR O, P , U) 50A, 150B (MLRA 14	U) 1 cm M 2 cm M Reduct Piedm Anoma (MLI Red P Very S Other , T) ³ Indic wel unle	