TABLE OF CONTENTS

Section Page
1.0 PROJECT OVERVIEW ............................................................................................................ 1
2.0 PROJECT LOCATION AND DESCRIPTION ................................................................ 1
3.0 SOILS ........................................................................................................................................ 1
4.0 VEGETATION ........................................................................................................................... 5
5.0 HYDROLOGY ......................................................................................................................... 6
6.0 CONCLUSIONS ....................................................................................................................... 6

LIST OF TABLES

Table
1 NRCS Web Soil Survey Data For East Baton Rouge Parish ...................................................... 2
2 NRCS Web Soil Survey Data For West Baton Rouge Parish ...................................................... 4
3 List Of Dominant Plant Species .................................................................................................... 5

LIST OF FIGURES

Figure
1 Vicinity Map
2 Site Location Map
3a-3g Site Plans
4a-4g Soils Map

LIST OF EXHIBITS

Exhibit
A Copies of Site Photographs
B Wetland Determination Data Forms - Atlantic and Gulf Coastal Plain Region
1.0 PROJECT OVERVIEW

The purpose of this report is to present field data, habitat descriptions, and other pertinent information on the three diagnostic characteristics of wetlands. This report was prepared in accordance with the Corps of Engineers Wetlands Delineation Manual (United States Army Corps of Engineers, Waterways Experiment Station 1987) and subsequent guidance provided in the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (United States Army Corps of Engineers, Wetland Regulatory Assistance Program 2010). On June 26, 2017, Providence biologists visited the Site and collected field data on the three diagnostic wetland parameters: soils, vegetation, and hydrology.

Prior to conducting the wetland analysis, Providence reviewed the Natural Resources Conservation Service (NRCS) Web Soil Survey (2017), the Soil Survey of East and West Baton Rouge Parishes (United States Department of Agriculture, Soil Conservation Service 1990), United States Geological Survey (USGS) 7.5-minute topographic maps, United States Fish and Wildlife Service (USFWS), National Wetland Inventory maps, and relevant aerial photography. Included for your review are: Figure 1 – Vicinity Map, Figure 2 – Site Location Map, Figures 3a-3g – Site Plans, Figures 4a-4g – Soils Map, Exhibit 1 – Copies of Site Photographs, and Exhibit 2 – Wetland Determination Data Forms - Atlantic and Gulf Coastal Plain Region.

This report summarizes the results of a wetland delineation performed for the I-10 corridor improvements and widening beginning at Louisiana Highway (LA) 415 in West Baton Rouge Parish to the I-10 and I-12 split in East Baton Rouge Parish. Survey results for the presence of wetlands in East and West Baton Rouge Parish, Louisiana for the improvement and widening of the I-10 corridor are described in the following sections.

2.0 PROJECT LOCATION AND DESCRIPTION

The Site is centered at Latitude 30°25'41.13" N; Longitude 91°10'06.21" W in Sections 41, 51, 53, 69, 93, and 94, Township 7 South, Range 1 East and West in East Baton Rouge Parish, and Sections 69 and 93, Township 7 South, Range 12 East in West Baton Rouge Parish. The point of beginning is at Latitude 30°24' 44.86" N; Longitude 91°5'58.26" W and the point of ending is at Latitude 30°26'56.88" N; Longitude 91°15'07.25" W. Access to the Site is via I-10, I-12, and neighborhood roads. The Site is characterized by residential and commercial properties, urban areas, and mowed/maintained roadsides.

3.0 SOILS

The NRCS’s Web Soil Survey was used to determine mapped soil series. The revised official series descriptions were used to confirm profile matrix, redox features, and texture of soils underlying the Site.

The Web Soil Survey shows that the Site may be underlain by 20 soil map units (NRCS Web Soil Survey 2016). Tables 1 and 2 show the soil map unit's individual soil components, component percentage, and hydric status in East and West Baton Rouge Parishes respectively (NRCS Survey Area Data, Version 13, September 29, 2016).
Table 1: NRCS Web Soil Survey Data for East Baton Rouge Parish

<table>
<thead>
<tr>
<th>Map Unit Name</th>
<th>Soil Series/ Component</th>
<th>Component Percentage</th>
<th>Hydric Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calhoun silt loam, 0 to 1 percent slopes (CcA)</td>
<td>Calhoun</td>
<td>85</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Frost</td>
<td>0-7</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Toula</td>
<td>5</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Coteau</td>
<td>3</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Bude</td>
<td>2</td>
<td>No</td>
</tr>
<tr>
<td>Cancienne silt loam, 0 to 1 percent slopes (CmA)</td>
<td>Cancienne</td>
<td>85-98</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Carville</td>
<td>2-10</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Thibaut</td>
<td>1-5</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Gramercy</td>
<td>1-5</td>
<td>Yes</td>
</tr>
<tr>
<td>Carville and Cancienne soils, gently undulating, frequently flooded (CNA)</td>
<td>Carville</td>
<td>34-80</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Cancienne</td>
<td>20-45</td>
<td>Yes</td>
</tr>
<tr>
<td>Deerford-Verdun complex, 0 to 1 percent slopes (DaA)</td>
<td>Deerford</td>
<td>50</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Verdun</td>
<td>40</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Frost</td>
<td>10</td>
<td>Yes</td>
</tr>
<tr>
<td>Feliciana silt loam, 8 to 30 percent slopes (FeF)</td>
<td>Feliciana</td>
<td>85</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Scotlandville</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Loring</td>
<td>5</td>
<td>—</td>
</tr>
<tr>
<td>Frost silt loam, 0 to 1 percent slopes (FoA)</td>
<td>Frost</td>
<td>90</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Coteau</td>
<td>5</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Jeanerette</td>
<td>5</td>
<td>No</td>
</tr>
<tr>
<td>Frost silt loam, 0 to 1 percent slopes, occasionally flooded (FrA)</td>
<td>Frost – Occasionally flooded</td>
<td>90</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Jeanerette</td>
<td>5</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Coteau</td>
<td>5</td>
<td>No</td>
</tr>
<tr>
<td>Map Unit Name</td>
<td>Soil Series/ Component</td>
<td>Component Percentage</td>
<td>Hydric Status</td>
</tr>
<tr>
<td>---------------</td>
<td>------------------------</td>
<td>----------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Jeanerette silt loam, 0 to 1 percent slopes (JeA)</td>
<td>Jeanerette</td>
<td>80-95</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Frost</td>
<td>2-10</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Coteau</td>
<td>0-10</td>
<td>No</td>
</tr>
<tr>
<td>Levees (LE)</td>
<td>Levees</td>
<td>95</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Borrow pits</td>
<td>5</td>
<td>—</td>
</tr>
<tr>
<td>Oprairie silt, 0 to 1 percent slopes (OpA)</td>
<td>Oprairie</td>
<td>85</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Scotlandville</td>
<td>7</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Deerford</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Calhoun</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Gilbert</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td>Oprairie silt, 1 to 3 percent slopes (OpB)</td>
<td>Oprairie</td>
<td>85</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Scotlandville</td>
<td>7</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Deerford</td>
<td>3</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Gilbert</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Calhoun</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Feliciana</td>
<td>1</td>
<td>—</td>
</tr>
<tr>
<td>Scotlandville silt, 0 to 1 percent slopes (SnA)</td>
<td>Scotlandville</td>
<td>85</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Oprairie</td>
<td>8</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Gilbert</td>
<td>2</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Frost</td>
<td>2</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Calhoun</td>
<td>2</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Feliciana</td>
<td>1</td>
<td>—</td>
</tr>
<tr>
<td>Scotlandville silt, 1 to 3 percent slopes (SnB)</td>
<td>Scotlandville</td>
<td>90</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Oprairie</td>
<td>7</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Feliciana</td>
<td>3</td>
<td>No</td>
</tr>
</tbody>
</table>
Table 2: NRCS Web Soil Survey Data for West Baton Rouge Parish

<table>
<thead>
<tr>
<th>Map Unit Name</th>
<th>Soil Series/ Component</th>
<th>Component Percentage</th>
<th>Hydric Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scotlandville silt, 3 to 8 percent slopes (SnD)</td>
<td>Scotlandville</td>
<td>85</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Feliciana</td>
<td>8</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Other similar soils</td>
<td>5</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Satsuma</td>
<td>1</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Colyell</td>
<td>1</td>
<td>—</td>
</tr>
<tr>
<td>Udarents (UA)</td>
<td>Made land</td>
<td>100</td>
<td>No</td>
</tr>
<tr>
<td>Urban land (UrA)</td>
<td>Urban land</td>
<td>85</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Lawns</td>
<td>5</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Miscellaneous</td>
<td>5</td>
<td>No</td>
</tr>
<tr>
<td>Commerce silty clay loam (Cm)</td>
<td>Commerce</td>
<td>90</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Sharkey</td>
<td>10</td>
<td>Yes</td>
</tr>
<tr>
<td>Robinsonville and Commerce soils, occasionally flooded (RE)</td>
<td>Robinsonville</td>
<td>60</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Commerce</td>
<td>30</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Minor components</td>
<td>10</td>
<td>Yes</td>
</tr>
<tr>
<td>Sharkey clay, 0 to 1 percent slopes, rarely flooded, south (Sf)</td>
<td>Sharkey</td>
<td>80-95</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Tunica</td>
<td>1-6</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Dowling</td>
<td>2-10</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Commerce</td>
<td>2-4</td>
<td>No</td>
</tr>
<tr>
<td>Tunica clay (Tc)</td>
<td>Dowling</td>
<td>2-10</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Commerce</td>
<td>2-4</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Dowling</td>
<td>2-10</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Providence collected soil samples between the surface and approximately 16 inches below ground surface. The depth of each sample was sufficient to determine changes in upper horizons and to observe field indicators of hydric soils. Based on field observations, the wetland criterion for hydric soils was met at ten of the 23 sample locations established by Providence to characterize the Site.

4.0 VEGETATION

Indicator statuses for dominant vegetation on the Site consist of upland (UPL), facultative upland (FACU), facultative (FAC), facultative wetland (FACW), and obligate wetland (OBL) species. Table 3 is an alphabetical list of the dominant plant species observed at the Site.

Table 3: List of Dominant Plant Species

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
<th>Cowardin Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>American elm</td>
<td>Ulmus americana</td>
<td>FAC</td>
</tr>
<tr>
<td>American buckwheat vine</td>
<td>Brunnichia ovata</td>
<td>FACW</td>
</tr>
<tr>
<td>American marsh-penny wort</td>
<td>Hydrocotyle americana</td>
<td>OBL</td>
</tr>
<tr>
<td>Ash-leaf maple</td>
<td>Acer negundo</td>
<td>FAC</td>
</tr>
<tr>
<td>Bahia grass</td>
<td>Paspalum notatum</td>
<td>FACU</td>
</tr>
<tr>
<td>Bermuda grass</td>
<td>Cynodon dactylon</td>
<td>FACU</td>
</tr>
<tr>
<td>Black elder</td>
<td>Sambucus nigra</td>
<td>FACW</td>
</tr>
<tr>
<td>China-berry</td>
<td>Melia azedarach</td>
<td>UPL</td>
</tr>
<tr>
<td>Chinese privet</td>
<td>Ligustrum sinense</td>
<td>FAC</td>
</tr>
<tr>
<td>Chinese tallowtree</td>
<td>Triadica sebifera</td>
<td>FAC</td>
</tr>
<tr>
<td>Crimson clover</td>
<td>Trifolium incarnatum</td>
<td>NL (UPL)</td>
</tr>
<tr>
<td>Dwarf palmetto</td>
<td>Sabal minor</td>
<td>FACW</td>
</tr>
<tr>
<td>Eastern poison ivy</td>
<td>Toxicodendron radicans</td>
<td>FAC</td>
</tr>
<tr>
<td>Great ragweed</td>
<td>Ambrosia trifida</td>
<td>FAC</td>
</tr>
<tr>
<td>Golden crown grass</td>
<td>Paspalum dilatatum</td>
<td>FAC</td>
</tr>
<tr>
<td>Horsebrier</td>
<td>Smilax rotundifolia</td>
<td>FAC</td>
</tr>
<tr>
<td>Indian wood-oats</td>
<td>Chasmanthium latifolium</td>
<td>FAC</td>
</tr>
<tr>
<td>Italian bristle grass</td>
<td>Setaria italica</td>
<td>FACU</td>
</tr>
<tr>
<td>Japanese honeysuckle</td>
<td>Lonicera japonica</td>
<td>FACU</td>
</tr>
<tr>
<td>Japanese privet</td>
<td>Ligustrum japonicum</td>
<td>FAC</td>
</tr>
<tr>
<td>Johnson grass</td>
<td>Sorghum halepense</td>
<td>FACU</td>
</tr>
<tr>
<td>Live oak</td>
<td>Quercus virginiana</td>
<td>FACU</td>
</tr>
<tr>
<td>Loblolly pine</td>
<td>Pinus taeda</td>
<td>FAC</td>
</tr>
<tr>
<td>Many-flower Marsh-Penny</td>
<td>Hydrocotyle umbellata</td>
<td>OBL</td>
</tr>
<tr>
<td>Muscadine</td>
<td>Vitis rotundifolia</td>
<td>FAC</td>
</tr>
<tr>
<td>Paper-mulberry</td>
<td>Broussonetia papyrifera</td>
<td>FACU</td>
</tr>
<tr>
<td>Pecan</td>
<td>Carya illinoensis</td>
<td>FACU</td>
</tr>
<tr>
<td>Peppervine</td>
<td>Ampelopsis arborea</td>
<td>FAC</td>
</tr>
<tr>
<td>Purple-top vervain</td>
<td>Verbena bonariensis</td>
<td>FAC</td>
</tr>
<tr>
<td>Rusty flat sedge</td>
<td>Cyperus odoratus</td>
<td>FACW</td>
</tr>
<tr>
<td>Common Name</td>
<td>Scientific Name</td>
<td>Cowardin Class</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Shameplant</td>
<td><em>Mimosa pudica</em></td>
<td>FACU</td>
</tr>
<tr>
<td>Shumard's oak</td>
<td><em>Quercus shumardii</em></td>
<td>FAC</td>
</tr>
<tr>
<td>Slash pine</td>
<td><em>Pinus elliottii</em></td>
<td>FACW</td>
</tr>
<tr>
<td>Southern bald-cypress</td>
<td><em>Taxodium distichum</em></td>
<td>OBL</td>
</tr>
<tr>
<td>Southern dewberry</td>
<td><em>Rubus trivialis</em></td>
<td>FACU</td>
</tr>
<tr>
<td>St. Augustine grass</td>
<td><em>Stenotaphrum secundatum</em></td>
<td>FAC</td>
</tr>
<tr>
<td>Sugar-berry</td>
<td>* Celtis laevigata*</td>
<td>FACW</td>
</tr>
<tr>
<td>Trumpet creeper</td>
<td><em>Campsis radicans</em></td>
<td>FAC</td>
</tr>
<tr>
<td>Turkey-tangle</td>
<td><em>Phyla nodiflora</em></td>
<td>FAC</td>
</tr>
<tr>
<td>Water oak</td>
<td><em>Quercus nigra</em></td>
<td>FAC</td>
</tr>
<tr>
<td>White clover</td>
<td><em>Trifolium repens</em></td>
<td>FACU</td>
</tr>
</tbody>
</table>

The wetland criterion for a prevalence of hydrophytic vegetation was met at ten of the 23 sample locations established by Providence to characterize the Site.

5.0 HYDROLOGY

The Site is within the Amite watershed and USGS Hydrologic Unit Cataloging No. 08070202 in East Baton Rouge Parish, and within the Lower Grand watershed and USGS Hydrologic Unit Cataloging No. 08070300 in West Baton Rouge Parish. Hydrology on the Site is primarily attributed to rainfall, sheet flow, interstate runoff, and backwater flooding from Dawson Creek and unnamed tributaries. Primary and secondary wetland hydrologic indicators observed include: drift deposits, saturation within the upper twelve inches of the soil profiles, surface water, and positive FAC-neutral tests. The wetland criterion for hydrology was met at seven of the 23 sample locations established by Providence to characterize the Site.

6.0 CONCLUSIONS

Positive evidence of all three diagnostic characteristics for jurisdictional wetlands was found at five of the 23 sample locations established by Providence to characterize the Site. Evidence of poor drainage found in association with hydric soils, and predominantly hydrophytic vegetation was considered sufficient to confirm the presence of potential jurisdictional wetlands. Based on site observations and analysis of field data, it appears that 9.77 acres of potential jurisdictional wetlands (Palustrine Forested (PFO), 7.47 acres; Palustrine Emergent (PEM), 2.30 acres) and 2.93 acres (~19,670 linear feet) of other waters of the United States are present within the Site.
FIGURE 1

VICINITY MAP
Project Area (549.24 Acres)

Legend

Project Center
Latitude: 30° 25' 41.13" N
Longitude: 91° 10' 06.21" W

Reference
Base map comprised of ESRI StreetMap USA data.

Vicinity Map
Wetland Data Report/Request For
Preliminary Jurisdictional Determination
East and West Baton Rouge Parishes, Louisiana

Louisiana Department of Transportation and Development
I-10: LA 415 to Essen Lane on I-10 and I-12

Drawn By: LMM  08/07/17
Checked By: LMH  08/07/17
Approved By: TCK  08/07/17

Project Number
040-012-001
Drawing Number
040-012-001-A113

Figure 1
FIGURE 2

SITE LOCATION MAP
Point of Ending
Latitude: 30° 26' 56.88" N
Longitude: 91° 15' 07.25" W

Point of Beginning
Latitude: 30° 24' 44.86" N
Longitude: 91° 5' 58.26" W

Site Location Map
Wetland Data Report/Request For
Preliminary Jurisdictional Determination
East and West Baton Rouge Parishes, Louisiana

Legend

- Project Area (549.24 Acres)

Reference
Base map comprised of United States Geological Survey (USGS) 100K topographic map, "Baton Rouge, LA".
FIGURES 3a-3g

SITE PLANS
Legend

- Project Area (549.24 Acres)
- Potential Jurisdictional Wetlands - PEM (2.30 Acres)
- Potential Jurisdictional Wetlands - PFO (7.47 Acres)
- Potential Other Waters of The U.S. (2.93 Acres / ~19,670 Linear Feet)
- Sample Location

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 08/07/17.
Legend

- Blue: Project Area (549.24 Acres)
- Red: Potential Jurisdictional Wetlands - PEM (2.30 Acres)
- Red: Potential Jurisdictional Wetlands - PFO (7.47 Acres)
- Green: Potential Other Waters of The U.S. (2.93 Acres / 19,670 Linear Feet)
- Black: Sample Location

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 08/07/17.
Potential Other Waters of the U.S. (0.23 Acre)

Legend
- Project Area (549.24 Acres)
- Potential Jurisdictional Wetlands - PEM (2.30 Acres)
- Potential Jurisdictional Wetlands - PFO (7.47 Acres)
- Potential Other Waters of the U.S. (2.93 Acres / ~19,670 Linear Feet)
- Sample Location

Reference
Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 08/07/17.
Legend

- Project Area (549.24 Acres)
- Potential Jurisdictional Wetlands - PEM (2.30 Acres)
- Potential Jurisdictional Wetlands - PFO (7.47 Acres)
- Potential Other Waters of The U.S. (2.93 Acres / ~19,670 Linear Feet)
- Sample Location

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 08/07/17.
Legend
- Project Area (549.24 Acres)
- Potential Jurisdictional Wetlands - PEM (2.30 Acres)
- Potential Jurisdictional Wetlands - PFO (7.47 Acres)
- Potential Other Waters of the U.S. (2.93 Acres / ~19,670 Linear Feet)
- Sample Location

Site Plan
Wetland Data Report/Request For Preliminary Jurisdictional Determination
East and West Baton Rouge Parishes, Louisiana

Reference
Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 08/07/17.
FIGURES 4a-4g

SOILS MAP
Legend

- Project Area (549.24 Acres)
- Soils Data
  - Ce - Commerce silt loam
  - Cm - Commerce silty clay loam
  - Se - Sharkey silty clay loam
  - Sf - Sharkey clay
  - Tc - Tunica clay
  - W - Water

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17. Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.

Soils Map

Wetland Data Report/Request For
Preliminary Jurisdictional Determination
East and West Baton Rouge Parishes, Louisiana

Louisiana Department of Transportation and Development
I-10: LA 415 to Essen Lane on I-10 and I-12

Drawn By: LMM 08/07/17
Checked By: LMH 08/07/17
Approved By: TCK 08/07/17

Project Number: 040-012-001
Drawing Number: 040-012-001-A123

Figure 4c
Project Area (549.24 Acres)

- Cm - Commerce silty clay loam
- CNA - Carville and Cancienne soils, gently undulating, frequently flooded
- RE - Robinsonville and Commerce soils, occasionally flooded
- Se - Sharkey silty clay loam
- Sf - Sharkey clay
- Tc - Tunica clay
- W - Water

Legend

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17. Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.

Soils Map

Wetland Data Report/Request For
Preliminary Jurisdictional Determination
East and West Baton Rouge Parishes, Louisiana

Louisiana Department of Transportation and Development
I-10: LA 415 to Essen Lane on I-10 and I-12

Drawn By: LMM 08/07/17
Checked By: LMH 08/07/17
Approved By: TCK 08/07/17

Project Number: 040-012-001
Drawing Number: 040-012-001-A124

See Figure 4b

See Figure 4d
Project Area (549.24 Acres)

Soils Data

- CmA - Cancienne silt loam, 0 to 1 percent slopes
- CNA - Carville and Cancienne soils, gently undulating, frequently flooded
- FeF - Feliciana silt loam, 8 to 30 percent slopes
- LE - Levees
- OpA - Oprairie silt, 0 to 1 percent slopes
- OpB - Oprairie silt, 1 to 3 percent slopes
- SnA - Scotlandville silt, 0 to 1 percent slopes
- SnB - Scotlandville silt, 1 to 3 percent slopes
- UA - Udarents
- UrA - Urban land
- W - Water

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17.
Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.
Soils Map

Wetland Data Report/Request For
Preliminary Jurisdictional Determination
East and West Baton Rouge Parishes, Louisiana

Legend

- **Project Area (549.24 Acres)**

- **Soils Data**
  - FeB - Feliciana silt, 0 to 3 percent slopes
  - FeF - Feliciana silt loam, 8 to 30 percent slopes
  - OpA - Oprairie silt, 0 to 1 percent slopes
  - OpB - Oprairie silt, 1 to 3 percent slopes
  - SeA - Schriever clay
  - SnA - Scotlandville silt, 0 to 1 percent slopes
  - SnB - Scotlandville silt, 1 to 3 percent slopes
  - SnD - Scotlandville silt, 3 to 8 percent slopes
  - UA - Udarients
  - UA - Urban land
  - W - Water

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17. Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.

Soil Map

Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.

Figure 4d

Figure 4f
Legend

- Project Area (549.24 Acres)
- Soils Data
  - Cca - Calhoun silt loam, 0 to 1 percent slopes
  - DaA - Deerford-Verdun complex, 0 to 2 percent slopes
  - FrA - Frost silt loam, 0 to 1 percent slopes, occasionally flooded
  - JeA - Jeanerette silt loam, 0 to 1 percent slopes
  - OpA - Oprairie silt, 0 to 1 percent slopes
  - OpB - Oprairie silt, 1 to 3 percent slopes
  - SnB - Scotlandville silt, 1 to 3 percent slopes
  - SnD - Scotlandville silt, 3 to 8 percent slopes
  - UrA - Urban land
  - W - Water

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17. Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.
Soils Map

Legend

- Project Area (549.24 Acres)
- Soils Data

Key:
- CcA - Calhoun silt loam, 0 to 1 percent slopes
- DaA - Deerford-Verdun complex, 0 to 2 percent slopes
- FoA - Frost silt loam, 0 to 1 percent slopes
- FrA - Frost silt loam, 0 to 1 percent slopes, occasionally flooded
- JeA - Jeanerette silt loam, 0 to 1 percent slopes
- OpA - Opairie silt, 0 to 1 percent slopes
- OpB - Opairie silt, 1 to 3 percent slopes
- UA - Udarents
- UrA - Urban land
- W - Water

Reference

Base map comprised of Bing Maps aerial imagery from (c) 2017 Microsoft Corporation and its data suppliers, exported 07/10/17.

Soils data obtained from Natural Resources Conservation Service (NRCS) data-server.
EXHIBIT A

COPIES OF SITE PHOTOGRAPHS
**Site Name:** I-10: LA 415 to Essen Lane on I-10 and I-12  
**Site Location:** Baton Rouge, East Baton Rouge Parish, Louisiana  
**Date:** June 26, 2017

<table>
<thead>
<tr>
<th>Photograph #1A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direction:</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Comments:</strong></td>
<td>View of soil profile at Sample Location 1.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Photograph #1B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direction:</strong></td>
<td>West</td>
</tr>
<tr>
<td><strong>Comments:</strong></td>
<td>View of habitat and typical landscape features at Sample Location 1.</td>
</tr>
</tbody>
</table>
**Site Name:** I-10: LA 415 to Essen Lane on I-10 and I-12  
**Site Location:** Baton Rouge, East Baton Rouge Parish, Louisiana  
**Date:** June 26, 2017

<table>
<thead>
<tr>
<th>Photograph #2A</th>
</tr>
</thead>
</table>
| **Direction:** | N/A  
| **Comments:** | View of soil profile at Sample Location 2. |

<table>
<thead>
<tr>
<th>Photograph #2B</th>
</tr>
</thead>
</table>
| **Direction:** | East  
| **Comments:** | View of habitat and typical landscape features at Sample Location 2. |
### Photograph #3A

**Direction:**
N/A

**Comments:**
View of soil profile at Sample Location 3.

### Photograph #3B

**Direction:**
East

**Comments:**
View of habitat and typical landscape features at Sample Location 3.
<table>
<thead>
<tr>
<th>Photograph #4A</th>
<th>Photograph #4B</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direction:</strong></td>
<td><strong>Direction:</strong></td>
</tr>
<tr>
<td>N/A</td>
<td>West</td>
</tr>
<tr>
<td><strong>Comments:</strong></td>
<td><strong>Comments:</strong></td>
</tr>
<tr>
<td>View of soil profile at Sample Location 4.</td>
<td>View of habitat and typical landscape features at Sample Location 4.</td>
</tr>
</tbody>
</table>
**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT**

<table>
<thead>
<tr>
<th>Site Name:</th>
<th>I-10: LA 415 to Essen Lane on I-10 and I-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Location:</td>
<td>Baton Rouge, East Baton Rouge Parish, Louisiana</td>
</tr>
<tr>
<td>Date:</td>
<td>June 26, 2017</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Photograph #5A</th>
<th><img src="image1.jpg" alt="Image" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Direction:</td>
<td>N/A</td>
</tr>
<tr>
<td>Comments:</td>
<td>View of soil profile at Sample Location 5.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Photograph #5B</th>
<th><img src="image2.jpg" alt="Image" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Direction:</td>
<td>East</td>
</tr>
<tr>
<td>Comments:</td>
<td>View of habitat and typical landscape features at Sample Location 5.</td>
</tr>
</tbody>
</table>
**Site Name:** I-10: LA 415 to Essen Lane on I-10 and I-12  
**Site Location:** Baton Rouge, East Baton Rouge Parish, Louisiana  
**Date:** June 26, 2017

### Photograph #6A

**Direction:** N/A

**Comments:** View of soil profile at Sample Location 6.

### Photograph #6B

**Direction:** South

**Comments:** View of habitat and typical landscape features at Sample Location 6.
**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT**

<table>
<thead>
<tr>
<th>Site Name:</th>
<th>I-10: LA 415 to Essen Lane on I-10 and I-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Location:</td>
<td>Baton Rouge, East Baton Rouge Parish, Louisiana</td>
</tr>
<tr>
<td>Date:</td>
<td>June 26, 2017</td>
</tr>
</tbody>
</table>

### Photograph #7A

**Direction:**
N/A

**Comments:**
View of soil profile at Sample Location 7.

### Photograph #7B

**Direction:**
West

**Comments:**
View of habitat and typical landscape features at Sample Location 7.
Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12
Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana
Date: June 26, 2017

Photograph #8A
Direction: N/A
Comments: View of soil profile at Sample Location 8.

Photograph #8B
Direction: East
Comments: View of habitat and typical landscape features at Sample Location 8.
Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12
Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana
Date: June 26, 2017

Photograph #9A
Direction: N/A
Comments: View of soil profile at Sample Location 9.

Photograph #9B
Direction: South
Comments: View of habitat and typical landscape features at Sample Location 9.
Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12
Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana
Date: June 26, 2017

Photograph #10A
Direction: N/A
Comments: View of soil profile at Sample Location 10.

Photograph #10B
Direction: East
Comments: View of habitat and typical landscape features at Sample Location 10.
<table>
<thead>
<tr>
<th>Photograph #11A</th>
<th>Photograph #11B</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direction:</strong></td>
<td><strong>Direction:</strong></td>
</tr>
<tr>
<td>N/A</td>
<td>West</td>
</tr>
<tr>
<td><strong>Comments:</strong></td>
<td><strong>Comments:</strong></td>
</tr>
<tr>
<td>View of soil profile at Sample Location 11.</td>
<td>View of habitat and typical landscape features at Sample Location 11.</td>
</tr>
<tr>
<td>Photograph #12A</td>
<td>Photograph #12B</td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------------</td>
</tr>
<tr>
<td><strong>Direction:</strong></td>
<td><strong>Direction:</strong></td>
</tr>
<tr>
<td>N/A</td>
<td>North</td>
</tr>
<tr>
<td><strong>Comments:</strong></td>
<td><strong>Comments:</strong></td>
</tr>
<tr>
<td>View of soil profile at Sample Location 12.</td>
<td>View of habitat and typical landscape features at Sample Location 12.</td>
</tr>
</tbody>
</table>
**Site Name:** I-10: LA 415 to Essen Lane on I-10 and I-12

**Site Location:** Baton Rouge, East Baton Rouge Parish, Louisiana

**Date:** June 26, 2017

**Photograph #13A**

**Direction:** N/A

**Comments:**
View of soil profile at Sample Location 13.

No soil sample collected due to fill in the soil profile.

**Photograph #13B**

**Direction:** West

**Comments:**
View of habitat and typical landscape features at Sample Location 13.
<table>
<thead>
<tr>
<th>Photograph #14A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direction:</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Comments:</strong></td>
<td>No soil sample collected due to fill underneath the vegetation. Chunks of concrete and various metals mixed in. View of soil profile at Sample Location 14.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Photograph #14B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direction:</strong></td>
<td>North</td>
</tr>
<tr>
<td><strong>Comments:</strong></td>
<td>View of habitat and typical landscape features at Sample Location 14.</td>
</tr>
<tr>
<td>Photograph #15A</td>
<td>Photograph #15B</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------</td>
</tr>
<tr>
<td><strong>Site Name:</strong> I-10: LA 415 to Essen Lane on I-10 and I-12</td>
<td><strong>Site Location:</strong> Baton Rouge, West Baton Rouge Parish, Louisiana</td>
</tr>
<tr>
<td><strong>Site Location:</strong></td>
<td><strong>Date:</strong> June 26, 2017</td>
</tr>
<tr>
<td><strong>Direction:</strong> N/A</td>
<td><strong>Direction:</strong> West</td>
</tr>
<tr>
<td><strong>Comments:</strong> View of soil profile at Sample Location 15.</td>
<td><strong>Comments:</strong> View of habitat and typical landscape features at Sample Location 15.</td>
</tr>
</tbody>
</table>
### Photograph #16A

**Direction:**
N/A

**Comments:**
View of soil profile at Sample Location 16.

### Photograph #16B

**Direction:**
West

**Comments:**
View of habitat and typical landscape features at Sample Location 16.
No soil sample collected. Soils assumed hydric due to extent/duration of inundation.

View of soil profile at Sample Location 17.

View of habitat and typical landscape features at Sample Location 17.
### Photograph #18A

**Direction:**
N/A

**Comments:**
View of soil profile at Sample Location 18.

### Photograph #18B

**Direction:**
East

**Comments:**
View of habitat and typical landscape features at Sample Location 18.
### Photograph #19A

**Direction:**
N/A

**Comments:**
View of soil profile at Sample Location 19.

### Photograph #19B

**Direction:**
North

**Comments:**
View of habitat and typical landscape features at Sample Location 19.
Site Name: I-10: LA 415 to Essen Lane on I-10 and I-12
Site Location: Baton Rouge, East Baton Rouge Parish, Louisiana
Date: July 31, 2017

Photograph #20A
Direction: N/A
Comments: View of soil profile at Sample Location 20.

Photograph #20B
Direction: North
Comments: View of habitat and typical landscape features at Sample Location 20.
**Site Name:** I-10: LA 415 to Essen Lane on I-10 and I-12  
**Site Location:** Baton Rouge, East Baton Rouge Parish, Louisiana  
**Date:** July 31, 2017

### Photograph #21A
**Direction:** N/A  
**Comments:** View of soil profile at Sample Location 21.

### Photograph #21B
**Direction:** South  
**Comments:** View of habitat and typical landscape features at Sample Location 21.
<table>
<thead>
<tr>
<th><strong>Site Name:</strong></th>
<th>I-10: LA 415 to Essen Lane on I-10 and I-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Site Location:</strong></td>
<td>Baton Rouge, East Baton Rouge Parish, Louisiana</td>
</tr>
<tr>
<td><strong>Date:</strong></td>
<td>July 31, 2017</td>
</tr>
</tbody>
</table>

**Photograph #22A**

**Direction:**

N/A

**Comments:**

View of soil profile at Sample Location 22.

**Photograph #22B**

**Direction:**

West

**Comments:**

View of habitat and typical landscape features at Sample Location 22.
**Site Name:** I-10: LA 415 to Essen Lane on I-10 and I-12  
**Site Location:** Baton Rouge, East Baton Rouge Parish, Louisiana  
**Date:** July 31, 2017

### Photograph #23A

**Direction:**  
N/A

**Comments:**  
View of soil profile at Sample Location 23.

### Photograph #23B

**Direction:**  
South

**Comments:**  
View of habitat and typical landscape features at Sample Location 23.
EXHIBIT B

WETLAND DETERMINATION DATA FORMS - ATLANTIC AND GULF COASTAL PLAIN REGION
WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site: I-10, LA 415 to Essen Lane on I-10 and I-12  
Applicant/Owner: Louisiana Department of Transportation and Development  
Investigator(s): Taylor Simoneaux, Tim Kimmel  
Landform (hillslope, terrace, etc.): Flat  
Soil Map Unit Name:  

**HYDROLOGY**

Wetland Hydrology Indicators  
No Primary Indicators (Need 1):  
No Secondary Indicators (Need 2):  
No Field Observations:  

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color %</th>
<th>Matrix</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>10YR 4/3 100</td>
<td>silt loam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-10</td>
<td>10YR 6/3 90</td>
<td>10YR 5/6 10</td>
<td>C</td>
<td>M</td>
</tr>
<tr>
<td>10-16</td>
<td>10YR 4/4 90</td>
<td>10YR 5/6 10</td>
<td>C</td>
<td>M</td>
</tr>
</tbody>
</table>

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains  
Location: PL=Pore Lining, M=Matrix  

**Hydric Soil Indicators:**  
No Hydric Soil Present?  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color %</th>
<th>Matrix</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>10YR 4/3 100</td>
<td>silt loam</td>
<td>Polyvalue Below Surface (S8)</td>
<td>silt loam</td>
</tr>
<tr>
<td>4-10</td>
<td>10YR 6/3 90</td>
<td>10YR 5/6 10</td>
<td>C</td>
<td>M</td>
</tr>
<tr>
<td>10-16</td>
<td>10YR 4/4 90</td>
<td>10YR 5/6 10</td>
<td>C</td>
<td>M</td>
</tr>
</tbody>
</table>

Indicators for Problematic Soils:  

**Restrictive Layer**

<table>
<thead>
<tr>
<th>Type</th>
<th>Depth inches</th>
<th>Hydric Soil Present?</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>No</td>
</tr>
</tbody>
</table>

Remarks:
### VEGETATION

**Tree Stratum**
- **Plot Size:** 30'
- **Absolute % Cover:** 25
- **Dominant Species:** Yes
- **Indicator Status:** OBL

**Dominance Test Worksheet:**
- Number of Dominant Species that are OBL, FACW, or FAC: 2
- Total Number of Dominant Species Across All Strata: 3
- Percent of Dominant Species That Are OBL, FACW, or FAC: 66.67%

<table>
<thead>
<tr>
<th>Dominance Test</th>
<th>Number of Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL</td>
<td>2</td>
</tr>
<tr>
<td>FACW</td>
<td>1</td>
</tr>
<tr>
<td>FAC</td>
<td>1</td>
</tr>
</tbody>
</table>

### Prevalence Index Worksheet:

<table>
<thead>
<tr>
<th>Total Cover</th>
<th>OBL</th>
<th>FACW</th>
<th>FAC</th>
<th>FACU</th>
<th>UPL</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Sapling Stratum
- **Plot Size:** 30'
- **Absolute % Cover:** None
- **Dominant Species:** None
- **Indicator Status:** None

### Shrub Stratum
- **Plot Size:** 30'
- **Absolute % Cover:** None
- **Dominant Species:** None
- **Indicator Status:** None

### Herb Stratum
- **Plot Size:** 30'
- **Absolute % Cover:** None
- **Dominant Species:** None
- **Indicator Status:** None

### Woody Vine Stratum
- **Plot Size:** 30'
- **Absolute % Cover:** None
- **Dominant Species:** None
- **Indicator Status:** None

### Definitions of Vegetation Strata:
- **Tree:** Woody plants, excluding woody vines, approximately 20' or more in height and 3' or larger in DBH.
- **Shrub:** Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb:** All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody vine:** All woody vines, regardless of height.

### Remarks:
- **Rapid Test for Hydrophytic Veg:** None
- **Dominance Test:** No
- **Hydrophytic Vegetation Indicators:** None
- **Prevalence Index:** ≤3.0
- **Problematic Hydrophytic Veg:** Yes

### Hydrophytic Vegetation Present?
- **Yes**
**SUMMARY OF FINDINGS**

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soil Present?</td>
<td>Yes</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Remarks:**

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Wetland Hydrology Indicators</th>
<th>Primary Indicators (Need 1):</th>
<th>Secondary Indicators (Need 2):</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Surface Water (A1)</td>
<td>No Water Stained Leaves (B9)</td>
<td>No Aquatic Fauna (B13)</td>
</tr>
<tr>
<td>No High Water Table (A2)</td>
<td>No Hydrogen Sulfide Odor (C1)</td>
<td>No Oxidized Root Channels (C3)</td>
</tr>
<tr>
<td>Yes Saturation (A3)</td>
<td>No Debris Deposits (B3)</td>
<td>No Presence of Reduced Iron (C4)</td>
</tr>
<tr>
<td>No Water Marks (B1)</td>
<td>No Algal Mat or Crust (B4)</td>
<td>No Recent Reduction in Tilled Soils (C6)</td>
</tr>
<tr>
<td>No Sediment Deposits (B2)</td>
<td>No Iron Deposits (B5)</td>
<td>No Thin Muck Surface (C7)</td>
</tr>
<tr>
<td>No Drift Deposits (B3)</td>
<td>No Inundation on Aerial Imagery (B7)</td>
<td>No Other (Explain in Remarks)</td>
</tr>
</tbody>
</table>

**Field Observations:**

| Surface Water Present? | No |
| Water table Present?   | No |
| Saturation Present?    | No |

**Remarks:**

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>%</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>10YR 4/2</td>
<td>100</td>
<td>Polyvalue Below Surface</td>
<td>Silt loam</td>
</tr>
<tr>
<td>2-16</td>
<td>10YR 5/6</td>
<td>10</td>
<td>Polyvalue Below Surface</td>
<td>Silt loam</td>
</tr>
</tbody>
</table>

**Soil Map Unit Name:** Deerford-Verdun complex

**Wetland Determination Data Form - Atlantic and Gulf Coastal Plain Region**

- **Applicant/Owner:** Louisiana Department of Transportation and Development
- **Investigator(s):** Taylor Simoneaux, Tim Kimmel
- **Landform:** Flat
- **Flat Local Relief:** None
- **Wetland Hydrology Indicators:** No
- **Hydric Soil Present?** Yes
- **Hydrophytic Vegetation Present?** Yes
- **Is the Sampled Area within a Wetland?** Yes
- **Remarks:**

**Hydric Soil Indicators:**

- No Hazid (A1)
- No Black Histic (A3)
- No Hydrogen Sulfide (A4)
- No Stratified Layers (A5)
- No Organic Bodies (A6)
- No Scm Mucky Mineral (A7)
- No Muck Presence (A8)
- No Muck Presence (A8)
- No Depleted Below Dark Surface (A11)
- No Thick Dark Surface (A12)
- No Sandy Gleyed Matrix (S4)
- No Sandy Redox (S5)
- No Stripped Matrix (S9)
- No Dark Surface (S7)

**Indicators for Problematic Soils:**

- No Polyvalue Below Surface (S8)
- No Thin Dark Surface (S9)
- No Loamy Mucky Mineral (F1)
- No Loamy Gleyed Matrix (F2)
- No Depleted Matrix (F3)
- No Depleted Dark Surface (F7)
- No Redox Depressions (F8)
- No Depleted Ochric (F11)
- No Iron-Manganese Masses (F12)
- No Umbrie Surface (F13)
- No Delta Ochric (F17)
- No Reduced Vertic (F18)
- No Piedmont Floodplain Soils (F19)
- No Anomalous Bright Loamy Soils (F20)

**Restrictive Layer (if observed):**

- **Type:** None
- **Depth inches:** None

**Remarks:**

**PROVIDENCE**

040-012-001-035NG WDR DF
### Dominance Test Worksheet:

<table>
<thead>
<tr>
<th>Species</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ulmus americana</td>
<td>30</td>
<td>Yes</td>
<td>FAC</td>
</tr>
<tr>
<td>Quercus virginiana</td>
<td>20</td>
<td>Yes</td>
<td>FACU</td>
</tr>
<tr>
<td>Quercus shumardii</td>
<td>15</td>
<td>Yes</td>
<td>FAC</td>
</tr>
</tbody>
</table>

### Prevalence Index Worksheet:

<table>
<thead>
<tr>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sapling</td>
<td>0</td>
<td>None</td>
<td>N/A</td>
</tr>
<tr>
<td>Shrub</td>
<td>40</td>
<td>Ligustrum japonicum</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Ligustrum sinense</td>
<td>20</td>
<td>Yes</td>
</tr>
<tr>
<td>Herb</td>
<td>45</td>
<td>Chasmanthium latifolium</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Hydrocotyle americana</td>
<td>20</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Phyla nodiflora</td>
<td>5</td>
<td>No</td>
</tr>
</tbody>
</table>

### Definitions of Vegetation Strata:

- **Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3' or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3' in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody Vine** - All woody vines, regardless of height.

### Remarks:

- Water Vapor: None
- Hydrophytic Vegetation Indicators:
  - Rapid Test for Hydrophytic Veg: No
  - Dominance Test > 50%: Yes
  - Prevalence Index is ≤3.0: N/A
  - Problematic Hydrophytic Veg: No

### Hydrophytic Vegetation Present?

- Yes
### HYDROLOGY

#### Wetland Hydrology Indicators

<table>
<thead>
<tr>
<th>Indicator (Need 1)</th>
<th>Wetland Hydrology Present?</th>
<th>Primary Indicators (Need 1):</th>
<th>Secondary Indicators (Need 2):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Water (A1)</td>
<td>Yes</td>
<td>No</td>
<td>No Surface Soil Cracked (B6)</td>
</tr>
<tr>
<td>High Water Table (A2)</td>
<td>No</td>
<td>No</td>
<td>No Sparsely Veg. Concave Surface (B8)</td>
</tr>
<tr>
<td>Water Marks (B1)</td>
<td>No</td>
<td>No</td>
<td>No Moss Trim Lines (B16)</td>
</tr>
<tr>
<td>Sediment Deposits (B2)</td>
<td>No</td>
<td>No</td>
<td>No Dry-Season Water Table (C2)</td>
</tr>
<tr>
<td>Moist Deposits (B3)</td>
<td>No</td>
<td>No</td>
<td>No Crayfish Burrows (C8)</td>
</tr>
<tr>
<td>Algal Mat or Crust (B4)</td>
<td>No</td>
<td>No</td>
<td>No Saturation on Aerial Imagery (C9)</td>
</tr>
<tr>
<td>Iron Deposits (B5)</td>
<td>No</td>
<td>Yes</td>
<td>No Geomorphic Position (D2)</td>
</tr>
<tr>
<td>Inundation on Aerial Imagery (B7)</td>
<td>No</td>
<td>No</td>
<td>Yes FAC-Neutral Test (D5)</td>
</tr>
</tbody>
</table>

#### Field Observations:

- Surface Water Present? None
- Water table Present? None
- Saturation Present? None

#### Remarks:

- Wetland Hydrology Present? Yes

### SOIL

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Redox Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>10YR 4/2</td>
<td>silt loam</td>
</tr>
<tr>
<td>4-16</td>
<td>10YR 5/2</td>
<td>silt loam</td>
</tr>
</tbody>
</table>

#### Hydric Soil Indicators:

- No Hazid (A1)
- No Black Histic (A3)
- No Hydrogen Sulfide (A4)
- No Organic Bodies (A6)
- No Muck Presence (A8)
- No Muck (A9)
- No Depleted Below Dark Surface (A11)
- No Thick Dark Surface (A12)
- No Coast Prairie Redox (A16) (MLRA 150A)
- No Sandy Redox (S5)
- No Dark Surface (S7)

#### Indicators for Problematic Soils:

- No Polyvalue Below Surface (S8) (LRR S,T,U)
- No Thin Dark Surface (S9) (LRR S,T,U)
- No Loamy Mucky Mineral (F1) (LRR O)
- No Loamy Gleyed Matrix (F2)
- Yes Redox Dark Surface (F6)
- No Depleted Dark Surface (F7)
- No Redox Depressions (F8)
- No Mucky Loamy (F10) (LRR U)
- No Depleted Ochric (F11) (MLRA 151)
- No Iron-Manganese Masses (F12) (LRR O,P,T)
- No Delta Ochric (F17) (MLRA 1515)
- No Reduced Vertic (F18) (MLRA 150A, 150B)
- No Piedmont Floodplain Soils (F19) (MLRA P,S,T)
- No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

#### Restrictive Layer (if observed):

- Type: None
- Depth inches: None

#### Remarks:

- Hydric Soil Present? Yes
### VEGETATION SAMPLING POINT

#### Tree Stratum

<table>
<thead>
<tr>
<th>Species</th>
<th>Absolute % Cover</th>
<th>Dominant Status</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Triadica sebifera</em></td>
<td>70</td>
<td>Yes</td>
<td>FAC</td>
</tr>
<tr>
<td><em>Celtis laevigata</em></td>
<td>10</td>
<td>No</td>
<td>FACW</td>
</tr>
<tr>
<td><em>Ulmus americana</em></td>
<td>10</td>
<td>No</td>
<td>FAC</td>
</tr>
</tbody>
</table>

#### Sapling Stratum

<table>
<thead>
<tr>
<th>Species</th>
<th>Absolute % Cover</th>
<th>Dominant Status</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Celtis laevigata</em></td>
<td>10</td>
<td>Yes</td>
<td>FACW</td>
</tr>
<tr>
<td><em>Ligustrum japonicum</em></td>
<td>10</td>
<td>Yes</td>
<td>FAC</td>
</tr>
</tbody>
</table>

#### Shrub Stratum

<table>
<thead>
<tr>
<th>Species</th>
<th>Absolute % Cover</th>
<th>Dominant Status</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Sabal minor</em></td>
<td>40</td>
<td>Yes</td>
<td>FACW</td>
</tr>
<tr>
<td><em>Triadica sebifera</em></td>
<td>15</td>
<td>Yes</td>
<td>FAC</td>
</tr>
<tr>
<td><em>Ulmus alata</em></td>
<td>10</td>
<td>No</td>
<td>FACU</td>
</tr>
<tr>
<td><em>Sambucus nigra</em></td>
<td>10</td>
<td>No</td>
<td>FAC</td>
</tr>
</tbody>
</table>

#### Herb Stratum

<table>
<thead>
<tr>
<th>Species</th>
<th>Absolute % Cover</th>
<th>Dominant Status</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Sambucus nigra</em></td>
<td>10</td>
<td>Yes</td>
<td>FACW</td>
</tr>
<tr>
<td><em>Triadica sebifera</em></td>
<td>5</td>
<td>Yes</td>
<td>FAC</td>
</tr>
<tr>
<td><em>Ambrosia trifida</em></td>
<td>5</td>
<td>Yes</td>
<td>FAC</td>
</tr>
</tbody>
</table>

#### Woody Vine Stratum

<table>
<thead>
<tr>
<th>Species</th>
<th>Absolute % Cover</th>
<th>Dominant Status</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Loniceria japonica</em></td>
<td>25</td>
<td>Yes</td>
<td>FACU</td>
</tr>
<tr>
<td><em>Toxicodendron radicans</em></td>
<td>20</td>
<td>No</td>
<td>FAC</td>
</tr>
</tbody>
</table>

#### Definitions of Vegetation Strata:

- **Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3' or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3' in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody Vine** - All woody vines, regardless of height.

#### Remarks:

- 90% = Total Cover
- 50/20 Threshold
- 50% of Total Cover = 45
- 20% of Total Cover = 18

<table>
<thead>
<tr>
<th>Species</th>
<th>Absolute % Cover</th>
<th>Dominant Status</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Celtis laevigata</em></td>
<td>10</td>
<td>No</td>
<td>FAC</td>
</tr>
<tr>
<td><em>Triadica sebifera</em></td>
<td>10</td>
<td>No</td>
<td>FAC</td>
</tr>
</tbody>
</table>

#### Prevalence Index Worksheet:

<table>
<thead>
<tr>
<th>Total % Cover of:</th>
<th>Multiply</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL</td>
<td>x1=</td>
</tr>
<tr>
<td>FACW</td>
<td>x2=</td>
</tr>
<tr>
<td>FAC</td>
<td>x3=</td>
</tr>
<tr>
<td>FACU</td>
<td>x4=</td>
</tr>
</tbody>
</table>

#### Total:

- OBL: 10
- FACW: 10
- FAC: 10
- FACU: 10

#### Prevalence Index (B/A):

- No

#### Wood - All wood, vines, regardless of height.

#### Hydric Vegetation Present?

- Yes
**WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION**

<table>
<thead>
<tr>
<th>Project/Site: I-10</th>
<th>Parish: East Baton Rouge</th>
<th>Sampling Date: 6/26/2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant/Owner: Louisiana Department of Transportation and Development</td>
<td>State: Louisiana</td>
<td>Sampling Point: 4</td>
</tr>
<tr>
<td>Investigator(s): Taylor Simoneaux, Tim Kimmel</td>
<td>Section, Township, Range: Section 93, Township 7 South, Range 1 East</td>
<td>Landform (hillslope, terrace, etc.): Flat</td>
</tr>
<tr>
<td>Local Relief (concave, convex, none): None</td>
<td>Slope: 0-1%</td>
<td></td>
</tr>
</tbody>
</table>

**Soil Map Unit Name:** N/A

**Remarks:**

**HYDROLOGY**

- **Wetland Hydrology Indicators**
  - Primary Indicators (Need 1):
    - No Surface Water (A1)
    - No Water Stained Leaves (B9)
    - No Aquatic Fauna (B13)
    - No Saturation (A3)
    - No Water Marks (B1)
    - No Sediment Deposits (B2)
    - No Oxidized Root Channels (C3)
    - No Drift Deposits (B3)
    - No Presence of Reduced Iron (C4)
    - No Algal Mat or Crust (B4)
    - No Recent Reduct. in Tilled Soils (C6)
    - No Iron Deposits (B5)
    - No Thin Muck Surface (C7)
    - No Inundation on Aerial Imagery (B7)
  - Secondary Indicators (Need 2):
    - No Surface Soil Cracked (B6)
    - No Sparsely Veg. Concave Surface (B8)
    - No Moss Trim Lines (B16)
    - No Dry-Season Water Table (C2)
    - No Clayfish Burrows (C8)
    - No Saturation on Aerial Imagery (C9)
    - No Geomorphic Position (D2)
    - No Shallow Aquitard (D3)
    - No FAC-Neutral Test (D5)
    - No Sphagnum Moss (D6) (LRR T, U)

- **Field Observations:**
  - Surface Water Present? None
  - Water table Present? None
  - Saturation Present? None

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>10YR 4/2</td>
<td>silt loam</td>
<td>Polyvalue Below Surface (S8) (LRR S,T,U)</td>
<td>FAC- Neutral Test (D5)</td>
</tr>
<tr>
<td>2-16</td>
<td>10YR 5/4</td>
<td>silt loam</td>
<td>Thin Dark Surface (S9) (LRR S,T,U)</td>
<td>Reduction Patterns (B15)</td>
</tr>
<tr>
<td></td>
<td>10YR 5/6</td>
<td></td>
<td>No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>C</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10YR 5/6</td>
<td>M</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- No Hazy (A1)
- No Silty Mucky Mineral (S1) (LRR O, S)
- No Muck Presence (A8) (LRR U)
- No Polyvalue Below Surface (S8) (LRR S,T,U)
- No Thin Dark Surface (S9) (LRR S,T,U)
- No Loamy Mucky Mineral (F1) (LRR O)
- No Loamy Gleyed Matrix (F2)
- No Oxidized Root Channels (C3)
- No Depleted Matrix (F3)
- No Redox Dark Surface (F6)
- No Depleted Dark Surface (F7)
- No Muck Presence (A8) (LRR U)
- No Polyvalue Below Surface (S8) (LRR S,T,U)
- No Depleted Matrix (F3)
- No Redox Dark Surface (F6)
- No Depleted Dark Surface (F7)
- No Depleted Below Dark Surface (A11)
- No Depleted Ochric (F11) (MLRA 151)
- No Iron-Manganese Masses (F12) (LRR O,P,T)
- No Ubrmic Surface (F13) (LRR P, T, U)
- No Delta Ochric (F17) (MLRA 151)
- No Reduced Vertic (F18) (MLRA 150A, 150B)
- No Piedmont Floodplain Soils (F19) (MLRA 150A)
- No Reduced Vertic (F18) (MLRA 150A, 150B)
- No Piedmont Floodplain Soils (F19) (MLRA 150A)
- No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

**Summery of Findings:**

- Hydrophytic Vegetation Present? No
- Hydric Soil Present? No
- Wetland Hydrology Present? No
- Is the Sampled Area within a Wetland? No

**Remarks:**

- Are climatic / hydrologic conditions on the site typical for this time of year? Yes
- Are "Normal Circumstances" present? Yes
- Are Vegetation, Soil or Hydrology significantly disturbed? No
- Are Vegetation, Soil or Hydrology naturally problematic? No
- Are "Normal Circumstances" present? Yes

**Hydrology:**

- Field Observations:
  - Surface Water Present? None
  - Water table Present? None
  - Saturation Present? None

**Soil Map Unit Name:** N/A

**Remarks:**

- **Hydric Soil Present?** No
### Dominance Test Worksheet

<table>
<thead>
<tr>
<th>Number of Dominant Species That OBL, FACW, or FAC = 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Number of Dominant Species Across All Strata = 4</td>
</tr>
<tr>
<td>Percent of Dominant Species That Are OBL, FACW, or FAC = 25.00%</td>
</tr>
</tbody>
</table>

### Prevalence Index Worksheet

<table>
<thead>
<tr>
<th>Species</th>
<th>% Cover of</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quercus virginiana</td>
<td>30</td>
</tr>
</tbody>
</table>

#### Multiplication Table

<table>
<thead>
<tr>
<th>Species</th>
<th>% Cover of</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL</td>
<td>15</td>
</tr>
<tr>
<td>FACW</td>
<td>6</td>
</tr>
<tr>
<td>FAC</td>
<td>1</td>
</tr>
<tr>
<td>FACU</td>
<td>0</td>
</tr>
<tr>
<td>UPL</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Totals

<table>
<thead>
<tr>
<th>Category</th>
<th>Total Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Totals</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
</tr>
</tbody>
</table>

### Remarks

- Yes FACU
- Yes FAC
- Yes FACU

### Tree Stratum

#### Plot Size: 30’

<table>
<thead>
<tr>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>Yes</td>
<td>FAC</td>
</tr>
</tbody>
</table>

### Woody Vine Stratum

#### Plot Size: 30’

<table>
<thead>
<tr>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>None</td>
</tr>
</tbody>
</table>

### Herb Stratum

#### Plot Size: 30’

<table>
<thead>
<tr>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Shrub Stratum

#### Plot Size: 30’

<table>
<thead>
<tr>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>None</td>
</tr>
</tbody>
</table>

### Sapling Stratum

#### Plot Size: 30’

<table>
<thead>
<tr>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

### Definitions of Vegetation Strata:

- **Tree** - Woody plants, excluding woody vines, approximately 20’ or more in height and 3” or larger in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20’ in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3’ in height.
- **Woody vine** - All woody vines, regardless of height.

### Prevalence Index Calculation

<table>
<thead>
<tr>
<th>Species</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL</td>
<td>15</td>
</tr>
<tr>
<td>FACW</td>
<td>6</td>
</tr>
<tr>
<td>FAC</td>
<td>1</td>
</tr>
<tr>
<td>FACU</td>
<td>0</td>
</tr>
<tr>
<td>UPL</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Prevalence Index (B/A)=

- Rapid Test for Hydrophytic Veg: No
- Dominance Test > 50%: No
- Prevalence Index is ≤3.0: N/A
- Problematic Hydrophytic Veg: No

### Hydrophytic Vegetation Indicators:

- Paspalum notatum
- Paspalum dilatatum
- Trifolium repens

### Hydrophytic Vegetation Present?

- No
WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site: I-10, LA 415 to Essen Lane on I-10 and I-12
Applicant/Owner: Louisiana Department of Transportation and Development
Investigator(s): Taylor Simonneau, Tim Kimmel

Landform (hillside, terrace, etc.): Flat
Investigator(s): Taylor Simonneau, Tim Kimmel
Section, Township, Range: Section 93, Township 7 South, Range 1 East

Soil Map Unit Name:

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? No
Is the Sampled Area within a Wetland? No

SOIL

Depth | Color | % | Redox Features | Texture |
------|-------|---|----------------|---------|
0-12  | 10YR 5/3 | 100 | Polyvalue Below Surface (S8) (LRR S,T,U) | Silty clay |

Hydric Soil Indicators:
- Hazid Epipedon (A1)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Organic Bodies (A6) (LRR P,T,U)
- Scm Mucky Mineral (A7) (LRR P,T,U)
- Muck Presence (A8) (LRR U)
- 1cm Muck (A9) (LRR P,T)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) (MLRA 150A)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Strip (S9)
- Dark Surface (S7) (LRR P,S,T,U)

Restrictive Layer (if observed):
Type: None
Depth inches: None

Remarks:
Soil sample only collected to 12 inches due to fill.

040-012-001-035NG WDR DF

PROVIDENCE
### VEGETATION

#### SAMPLING POINT

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tree</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sapling</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shrub</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Herb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Woody Vine</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Definitions of Vegetation Strata:
- **Tree**: Woody plants, excluding woody vines, approximately 20’ or more in height and 3’ or larger in DBH.
- **Sapling**: Woody plants, excluding woody vines, approximately 20’ or more in height and less than 3’ in DBH.
- **Shrub**: Woody plants, excluding woody vines, approximately 3-20’ in height.
- **Herb**: All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3’ in height.
- **Woody Vine**: All woody vines, regardless of height.

#### Prevalence Index Worksheet:

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
<th>Percentage of Dominant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Prevalence Index is ≤3.0: Problematic Hydrophytic Veg:
- Rapid Test for Hydrophytic Veg: No
- Dominance Test > 50%: No
- Prevalence Index is ≤3.0: N/A
- Problematic Hydrophytic Veg: No

#### Hydrophytic Vegetation Indicators:
- **Stenotaphrum secundatum**
- **Paspalum notatum**
- **Trifolium repens**

#### Woody Vine Stratum:

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
<th>Percentage of Dominant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Hydrophytic Vegetation Present?
- **No**
**WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION**

Project/Site: LA-415 to Essen Lane on I-10 and I-12  
Parish: East Baton Rouge  
Applicant/Owner: Louisiana Department of Transportation and Development  
Investigator(s): Taylor Simonaux, Tim Kimmel

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Wetland Hydrology Indicators</th>
<th>Primary Indicators (Need 1):</th>
<th>Secondary Indicators (Need 2):</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Surface Water (A1)</td>
<td>No Water Stained Leaves (B9)</td>
<td>No Surface Soil Cracked (B6)</td>
</tr>
<tr>
<td>No High Water Table (A2)</td>
<td>No Aquatic Fauna (B13)</td>
<td>No Sparsely Veg. Concave Surface (B8)</td>
</tr>
<tr>
<td>No Saturation (A3)</td>
<td>No Matt Deposits (B15) (LRR U)</td>
<td>No Moss Trim Lines (B16)</td>
</tr>
<tr>
<td>No Water Marks (B1)</td>
<td>No Hydrogen Sulfide Odor (C1)</td>
<td>No Dry-Season Water Table (C2)</td>
</tr>
<tr>
<td>No Sediment Deposits (B2)</td>
<td>No Oxidized Root Channels (C3)</td>
<td>No Clayfish Burrows (C8)</td>
</tr>
<tr>
<td>No Drift Deposits (B3)</td>
<td>No Presence of Reduced Iron (C4)</td>
<td>No Saturation on Aerial Imagery (C9)</td>
</tr>
<tr>
<td>No Algal Mat or Crust (B4)</td>
<td>No Recent Reduct. in Tilled Soils (C6)</td>
<td>No Geomorphic Position (D2)</td>
</tr>
<tr>
<td>No Iron Deposits (B5)</td>
<td>No Thin Muck Surface (C7)</td>
<td>No Shallow Aquitard (D3)</td>
</tr>
<tr>
<td>No Inundation on Aerial Imagery (B7)</td>
<td>No Other (Explain in Remarks)</td>
<td>No FAC-Neutral Test (D5)</td>
</tr>
</tbody>
</table>

**Field Observations:**
- Surface Water Present? None  
- Water table Present? None  
- Saturation Present? None

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix</th>
<th>%</th>
<th>Color</th>
<th>%</th>
<th>Type</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-16</td>
<td>10YR 5/3</td>
<td>90</td>
<td>10YR 5/6</td>
<td>10</td>
<td>C</td>
<td>M</td>
<td>silty clay</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- No Hazid (A1)  
- No Histic Epipedon (A2)  
- No Black Histic (A3)  
- No Hydrogen Sulfide (A4)  
- No Stratified Layers (A5)  
- No Organic Bodies (A6) (LRR P,T,U)  
- No Scm Mucky Mineral (A7) (LRR P,T,U)  
- No Muck Presence (A8) (LRR U)  
- No 1cm Muck (A9) (LRR P,T)  
- No Depleted Below Dark Surface (11)  
- No Thick Dark Surface (A12)  
- No Coast Prairie Redox (A16) (MLRA 150A)  
- No Sandy Gleyed Matrix (S1) (LRR O,S)  
- No Sandy Gleyed Matrix (S4)  
- No Sandy Redox (S5)  
- No Stripped Strip (S9)  
- No Dark Surface (87) (LRR P, S, T, U)  

**Indicators for Problematic Soils:**
- No Polyvalue Below Surface (S8) (LRR S,T,U)  
- No Thin Dark Surface (S9) (LRR S,T,U)  
- No Loamy Mucky Mineral (F1) (LRR O)  
- No Loamy Gleyed Matrix (F2)  
- No Depressed Matrix (F3)  
- No Redox Dark Surface (F6)  
- No Depressed Dark Surface (F7)  
- No Redox Depressions (F8)  
- No 1cm Muck (A9) (LRR O)  
- No Muck (F10) (LRR U)  
- No Depleted Ochric (F11) (MLRA 151)  
- No Iron-Manganese Masses (F12) (LRR O,P,T)  
- No Umbirc Surface (F13) (LRR P, T, U)  
- No Delta Ochric (F17) (MLRA 151)  
- No Reduced Vertic (F18) (MLRA 150A, 150B)  
- No Piedmont Floodplain Soils (F19) (MLRA 150A, 150B)  
- No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

**Restrictive Layer if observed:**
- Type: None  
- Depth inches: None

**Remarks:**
Soil sample mixed with fill.
<table>
<thead>
<tr>
<th>Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tree Stratum</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sapling Stratum</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shrub Stratum</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Herb Stratum</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Woody Vine Stratum</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Prevalence Index Worksheet:

- **Total % Cover**: Multiply
  - OBL $\times 1$
  - FACW $\times 2$
  - FAC $\times 3$
  - FACU $\times 4$
  - UPL $\times 5$

- **Prevalence Index (B/A)**
- **Hydrophytic Vegetation Indicators**:
  - Rapid Test for Hydrophytic Veg:
    - Dominance Test $> 50\%$: No
    - Percent of Total Cover = $50\%$
    - Percent of Total Cover = $20\%$

### Definitions of Vegetation Strata:

- **Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3' or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3' in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody vine** - All woody vines, regardless of height.

### Remarks:

- **Remarks**: 90 Yes FACU
- **Remarks**: 5 No FACU

### Providence

040-012-001-035NG WDR DF
**WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION**

**Project/Site:** I-10, LA 415 to Essen Lane on I-10 and I-12  
**Parish:** East Baton Rouge  
**Applicant/Owner:** Louisiana Department of Transportation and Development  
**State:** Louisiana  
**Landform (hillslope, terrace, etc.):** Flat  
**Investigator(s):** Taylor Simoueaux, Tim Kimmel  
**Section, Township, Range:** Section 94, Township 7 South, Range 1 East  
**Latitude:** 30.423195°  
**Longitude:** -91.145559°  
**Datum:** NAD83  
**Soil Map Unit Name:** Udarents

**SUMMARY OF FINDINGS**

- **Hydrophytic Vegetation Present?** No  
- **Is the Sampled Area within a Wetland?** No

**SOIL**

<table>
<thead>
<tr>
<th>Depth (inches)</th>
<th>Matrix Color</th>
<th>Redox Features Location</th>
<th>Texture Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>10YR 4/2</td>
<td>silt loam</td>
<td></td>
</tr>
<tr>
<td>2-16</td>
<td>10YR 5/4</td>
<td>silt loam</td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

| No | 1cm Muck (A8) (LRR P, T) | No | Depleted Below Dark Surface (A11) | No | Depleted Ochric (F11) (MLRA 151) |

**Indicators for Problematic Soils:**

| No | 1cm Muck (A8) (LRR P, T) | No | 2cm Muck (A10) (LRR S) |

**Hydric Soil Present?**

- **No**
### Dominance Test Worksheet:

<table>
<thead>
<tr>
<th>Indicator Status</th>
<th>Number of Dominant Species That are OBL, FACW, or FAC</th>
<th>(A): 3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Number of Dominant Species Across All Strata</td>
<td>6</td>
</tr>
<tr>
<td>Percent of Dominant Species That Are OBL, FACW, or FAC</td>
<td>(A/B): 50.00%</td>
<td></td>
</tr>
</tbody>
</table>

### Prevalence Index Worksheet:

- **0 = Total Cover**
- **50/20 Threshold**

#### Sapling Stratum

<table>
<thead>
<tr>
<th>Name</th>
<th>Indicator Status</th>
<th>Cover</th>
<th>Species</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broussonetia papyrifera</td>
<td>Yes</td>
<td>70</td>
<td>FACU</td>
<td></td>
</tr>
<tr>
<td>Celtis laevigata</td>
<td>No</td>
<td>15</td>
<td>FACW</td>
<td></td>
</tr>
</tbody>
</table>

- **A Totals**
- **B Totals**

#### Shrub Stratum

<table>
<thead>
<tr>
<th>Name</th>
<th>Cover</th>
<th>Species</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phyla nodiflora</td>
<td>10</td>
<td>Yes</td>
<td>FAC</td>
</tr>
<tr>
<td>Broussonetia papyrifera</td>
<td>20</td>
<td>Yes</td>
<td>FACU</td>
</tr>
</tbody>
</table>

#### Herb Stratum

<table>
<thead>
<tr>
<th>Name</th>
<th>Cover</th>
<th>Species</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phyla nodiflora</td>
<td>10</td>
<td>Yes</td>
<td>FAC</td>
</tr>
</tbody>
</table>

#### Woody Vine Stratum

<table>
<thead>
<tr>
<th>Name</th>
<th>Cover</th>
<th>Species</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smilax rotundiflora</td>
<td>10</td>
<td>Yes</td>
<td>FAC</td>
</tr>
<tr>
<td>Lonicera japonica</td>
<td>5</td>
<td>Yes</td>
<td>FACU</td>
</tr>
<tr>
<td>Ampelopsis arborea</td>
<td>5</td>
<td>Yes</td>
<td>FAC</td>
</tr>
</tbody>
</table>

### Definitions of Vegetation Strata:

- **Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody vine** - All woody vines, regardless of height.

### Remarks:

- **Hydrophytic Vegetation Indicators:**
  - Rapid Test for Hydrophytic Veg:
    - No
  - Dominance Test > 50%: No
  - Prevalence Index is ≤3.0: N/A
  - Problematic Hydrophytic Veg: No

- **Hydrophytic Vegetation Present?** No
**Project/Site:** 6-16: LA 415 to Essen Lane on I-10 and I-12
**Applicant/Owner:** Louisiana Department of Transportation and Development
**Investigator(s):** Taylor Simonneau, Tim Kimmel
**Landform (hillslope, terrace, etc.):** Flat
**Soil Map Unit Name:** Prairie silt
**Wetland Hydrology Indicators:**
- No
- No
- No
- No
- No
- No
- No
- No
- No
- No
**Field Observations:**
- No
- None
- None
- N/A
- N/A
**Summary of Findings:**
- Hydric Soil Present? Yes
- Is the Sampled Area within a Wetland? No
**Remarks:**
- N/A
### Prevalence Index Worksheet:

<table>
<thead>
<tr>
<th>Species</th>
<th>Indicator Status</th>
<th>Total Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FACW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FACU</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UPL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Remarks:
- Yes FACU
- No FACU

### Hydrophytic Vegetation Indicators:
- Rapid Test for Hydrophytic Veg: No
- Dominance Test > 50%: No
- Prevalence Index ≤ 3.0: N/A
- Problematic Hydrophytic Veg: No

### Definitions of Vegetation Strata:
- **Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody Vine** - All woody vines, regardless of height.

### Hydrophytic Vegetation Present?
- No

### Providence

040-012-001-035 NG WDR DF
**WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION**

**Project/Site:** I-10, LA 415 to Essen Lane on I-10 and I-12  
**Parish:** East Baton Rouge  
**Sampling Date:** 6/26/2017  
**Applicant/Owner:** Louisiana Department of Transportation and Development  
**State:** Louisiana  
**Sampling Point:** 5  
**Investigator(s):** Taylor Simmacon, Tim Kimmel  
**Section, Township, Range:** None  
**Landform (hillslope, terrace, etc.):** Flat  
**Local Relief (concave, convex, none):** None  
**Slope:** 0-1%  
**Latitude:** 30.424597°  
**Longitude:** -91.153190°  
**Datum:** NAD83

**Due REGON (LRR or MLRA):** LRR P  
**Soil Map Unit Name:** None  
**Remarks:**

**HYDROLOGY**

**Wetland Hydrology Indicators**
- Secondary Indicators (Need 2):
- Primary Indicators (Need 1):

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Water (A1)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Water Stained Leaves (B9)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Aquatic Fauna (B13)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Saturation (A3)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Water Marks (B1)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Hydrogen Sulfide Odor (C1)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Sediment Deposits (B2)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Oxidized Root Channels (C3)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Drift Deposits (B3)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Presence of Reduced Iron (C4)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Algal Mat or Crust (B4)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Recent Reduct. in Tilled Soils (C6)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Iron Deposits (B5)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Thin Muck Surface (C7)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Inundation on Aerial Imagery (B7)</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**Field Observations:**
- Surface Water Present? Yes
- Depth (inches): 2
- Water table Present? None
- Depth (inches): N/A
- Saturation Present? None
- Depth (inches): N/A

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix</th>
<th>%</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>10YR 3/1</td>
<td>silt loam</td>
<td>100</td>
<td>Polyvalue Below Surface (S8) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>2-8</td>
<td>10YR 4/3</td>
<td>silt loam</td>
<td>100</td>
<td>Thin Dark Surface (S9) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>6-16</td>
<td>10YR 7/3</td>
<td>40</td>
<td>C</td>
<td>No</td>
<td>Redox Dark Surface (F6)</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- No
- 1cm Muck (A9) (LRR P,T)  
- Depleted Below Dark Surface (A11)  
- Depleted Ochric (F11) (MLRA 151)  
- No
- No

**Hydric Soil Present?** No

**Restrictive Layer (if observed):**
- Type: None
- Depth inches: None

**Remarks:**

**SUMMARY OF FINDINGS**

**Hydric Soil Present?** No

**Wetland Hydrology Present?** Yes

**Is the Sampled Area within a Wetland?** No

**Remarks:**

**SUMMARY OF FINDINGS**

**Hydrophytic Vegetation Present?** No

**Is the Sampled Area within a Wetland?** No

**Hydric Soil Present?** No

**Wetland Hydrology Present?** Yes

**Remarks:**

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix</th>
<th>%</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>10YR 3/1</td>
<td>silt loam</td>
<td>100</td>
<td>Polyvalue Below Surface (S8) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>2-8</td>
<td>10YR 4/3</td>
<td>silt loam</td>
<td>100</td>
<td>Thin Dark Surface (S9) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>6-16</td>
<td>10YR 7/3</td>
<td>40</td>
<td>C</td>
<td>No</td>
<td>Redox Dark Surface (F6)</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- No
- 1cm Muck (A9) (LRR P,T)  
- Depleted Below Dark Surface (A11)  
- Depleted Ochric (F11) (MLRA 151)  
- No
- No

**Hydric Soil Present?** No

**Restrictive Layer (if observed):**
- Type: None
- Depth inches: None

**Remarks:**

**SUMMARY OF FINDINGS**

**Hydrophytic Vegetation Present?** No

**Is the Sampled Area within a Wetland?** No

**Hydric Soil Present?** No

**Wetland Hydrology Present?** Yes

**Remarks:**

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix</th>
<th>%</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>10YR 3/1</td>
<td>silt loam</td>
<td>100</td>
<td>Polyvalue Below Surface (S8) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>2-8</td>
<td>10YR 4/3</td>
<td>silt loam</td>
<td>100</td>
<td>Thin Dark Surface (S9) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>6-16</td>
<td>10YR 7/3</td>
<td>40</td>
<td>C</td>
<td>No</td>
<td>Redox Dark Surface (F6)</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- No
- 1cm Muck (A9) (LRR P,T)  
- Depleted Below Dark Surface (A11)  
- Depleted Ochric (F11) (MLRA 151)  
- No
- No

**Hydric Soil Present?** No

**Restrictive Layer (if observed):**
- Type: None
- Depth inches: None

**Remarks:**

**SUMMARY OF FINDINGS**

**Hydrophytic Vegetation Present?** No

**Is the Sampled Area within a Wetland?** No

**Hydric Soil Present?** No

**Wetland Hydrology Present?** Yes

**Remarks:**

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix</th>
<th>%</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>10YR 3/1</td>
<td>silt loam</td>
<td>100</td>
<td>Polyvalue Below Surface (S8) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>2-8</td>
<td>10YR 4/3</td>
<td>silt loam</td>
<td>100</td>
<td>Thin Dark Surface (S9) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>6-16</td>
<td>10YR 7/3</td>
<td>40</td>
<td>C</td>
<td>No</td>
<td>Redox Dark Surface (F6)</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- No
- 1cm Muck (A9) (LRR P,T)  
- Depleted Below Dark Surface (A11)  
- Depleted Ochric (F11) (MLRA 151)  
- No
- No

**Hydric Soil Present?** No

**Restrictive Layer (if observed):**
- Type: None
- Depth inches: None

**Remarks:**

**SUMMARY OF FINDINGS**

**Hydrophytic Vegetation Present?** No

**Is the Sampled Area within a Wetland?** No

**Hydric Soil Present?** No

**Wetland Hydrology Present?** Yes

**Remarks:**

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix</th>
<th>%</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>10YR 3/1</td>
<td>silt loam</td>
<td>100</td>
<td>Polyvalue Below Surface (S8) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>2-8</td>
<td>10YR 4/3</td>
<td>silt loam</td>
<td>100</td>
<td>Thin Dark Surface (S9) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>6-16</td>
<td>10YR 7/3</td>
<td>40</td>
<td>C</td>
<td>No</td>
<td>Redox Dark Surface (F6)</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- No
- 1cm Muck (A9) (LRR P,T)  
- Depleted Below Dark Surface (A11)  
- Depleted Ochric (F11) (MLRA 151)  
- No
- No

**Hydric Soil Present?** No

**Restrictive Layer (if observed):**
- Type: None
- Depth inches: None

**Remarks:**
### VEGETATION

#### SAMPLING POINT

<table>
<thead>
<tr>
<th>Tree Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Dominance Test Worksheet:**
- Number of Dominant Species That are OBL, FACW, or FAC: (A): 1
- Total Number of Dominant Species Across All Strata: 3
- Percent of Dominant Species That Are OBL, FACW, or FAC: (AB): 33.33%

<table>
<thead>
<tr>
<th>Sapling Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Prevalence Index Worksheet:**

<table>
<thead>
<tr>
<th>Prevalence Index</th>
<th>Multiply</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL x1=</td>
<td></td>
</tr>
<tr>
<td>FACW x2=</td>
<td></td>
</tr>
<tr>
<td>FAC x3=</td>
<td></td>
</tr>
<tr>
<td>FACU x4=</td>
<td></td>
</tr>
<tr>
<td>UPL x5=</td>
<td></td>
</tr>
<tr>
<td>A Totals</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
</tr>
</tbody>
</table>

**Rapid Test for Hydrophytic Veg:**
- No
- Dominance Test > 50%: No
- Prevalence Index is ≤3.0: N/A
- Problematic Hydrophytic Veg: No

<table>
<thead>
<tr>
<th>Shrub Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Definitions of Vegetation Strata:**
- **Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody vine** - All woody vines, regardless of height.

<table>
<thead>
<tr>
<th>Herb Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cynodon dactylon</td>
<td>30</td>
<td>Yes</td>
<td>FACU</td>
<td></td>
</tr>
<tr>
<td>Hydrocotyle americana</td>
<td>30</td>
<td>Yes</td>
<td>OBL</td>
<td></td>
</tr>
<tr>
<td>Trifolium repens</td>
<td>20</td>
<td>Yes</td>
<td>FACU</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Woody Vine Stratum:**

<table>
<thead>
<tr>
<th>Woody Vine Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydrophytic Vegetation Present?**
- No
WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site: I-10 LA 415 to Essen Lane on I-10 and I-12
Parish: East Baton Rouge
Sampling Date: 6/26/2017

Applicant/Owner: Louisiana Department of Transportation and Development
State: Louisiana
Sampling Point: 10

Investigator(s): Taylor Simoneaux, Tim Kimmel
Section, Township, Range: Section 69, Township 7 South, Range 1 West

Landform (hillslope, terrace, etc.): Flat
Local Relief (concave, convex, none): None
Slope: 0

Soil Map Unit Name: LRR P

Hydrophytic Vegetation Present? No
Is the Sampled Area within a Wetland? No

Hydric Soil Present? No

Wetland Hydrology Indicators

Primary Indicators (Need 1):
- No Surface Water (A1)
- No Water Stained Leaves (B9)
- No Aquatic Fauna (B13)
- No Saturation (A3)
- No Water Marks (B1)
- No Oxygenated Root Channels (C3)
- No Drift Deposits (B3)
- No Presence of Reduced Iron (C4)
- No Algal Mat or Crust (B4)
- No Recent Reduct. in Tilled Soils (C6)
- No Iron Deposits (B5)
- No Thin Muck Surface (C7)
- No Inundation on Aerial Imagery (B7)
- No Other (Explain in Remarks)

Secondary Indicators (Need 2):
- No Surface Soil Cracked (B6)
- No Sparsely Veg. Concave Surface (B8)
- No Moss Trim Lines (B16)
- No Dry-Season Water Table (C2)
- No Crayfish Burrows (C8)
- No Saturation on Aerial Imagery (C9)
- No Shallow Aquitard (D3)
- No FAC-Neutral Test (D5)
- No Sphagnum Moss (D6)

Field Observations:
- Surface Water Present? None
- Water Table Present? None
- Saturation Present? None

Remarks:

SOIL

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix %</th>
<th>Redox Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-16</td>
<td>10YR 5/3</td>
<td>80</td>
<td>10YR 5/6</td>
</tr>
<tr>
<td></td>
<td>10YR 5/6</td>
<td>20</td>
<td>C</td>
</tr>
</tbody>
</table>

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains
Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:
- No Hazid (A1)
- No Black Histic (A3)
- No Hydrogen Sulfide (A4)
- No Stratified Layers (A5)
- No Organic Bodies (A6)
- No 5cm Mucky Mineral (A7)
- No Muck Presence (AB)
- No 1cm Muck (AB) (LRR P, T)
- No Depleted Below Dark Surface (A11)
- No Thick Dark Surface (A12)
- No Coast Prairie Redox (A16) (MLRA 150A)
- No Sandy Gleyed Matrix (S4)
- No Sandy Redox (S5)
- No Stripped Matrix (S9)

Restrictive Layer (if observed):

Type: None
Depth inches: None

Hydric Soil Present? No

Remarks:
### SAMPLING POINT

<table>
<thead>
<tr>
<th>Dominance Test Worksheet:</th>
<th>Number of Dominant Species That are OBL, FACW, or FAC</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Number of Dominant Species Across All Strata</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Percent of Dominant Species That Are OBL, FACW, or FAC</td>
<td>(A/B): 50.00%</td>
<td></td>
</tr>
</tbody>
</table>

### Prevalence Index Worksheet:

**Definitions of Vegetation Strata:**
- **Tree** - Woody plants, excluding woody vines, approximately 20’ or more in height and 3” or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20’ or more in height and less than 3” in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20’ in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3’ in height.
- **Woody Vine** - All woody vines, regardless of height.

#### Tree Stratum

<table>
<thead>
<tr>
<th>Species</th>
<th>Absolute Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Quercus nigra</em></td>
<td>40 Yes FAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Pinus elliottii</em></td>
<td>5 No FACW</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Sapling Stratum

<table>
<thead>
<tr>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 = Total Cover</td>
<td>50/20 Threshold</td>
<td></td>
</tr>
</tbody>
</table>

#### Shrub Stratum

<table>
<thead>
<tr>
<th>Species</th>
<th>Absolute Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Broussonetia papyrifera</em></td>
<td>10 Yes FACU</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Herb Stratum

<table>
<thead>
<tr>
<th>Species</th>
<th>Absolute Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Broussonetia papyrifera</em></td>
<td>10 Yes FACU</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Woody Vine Stratum

<table>
<thead>
<tr>
<th>Species</th>
<th>Absolute Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Toxicodendron radicans</em></td>
<td>40 Yes FAC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Remarks:

#### Prevalence Index Worksheet:

Multiply:
- OBL x1=
- FAC x2=
- FACU x3=
- UPL x5=

<table>
<thead>
<tr>
<th></th>
<th>A Totals</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Hydrophytic Vegetation Indicators:
- Rapid Test for Hydrophytic Veg: No
- Dominance Test > 50%: No
- Prevalence Index is ≤3.0: N/A
- Problematic Hydrophytic Veg: No

#### Hydrophytic Vegetation Present?

No
HYDROLOGY

Wetland Hydrology Indicators
Primary Indicators (Need 1):
- No Surface Water (A1)
- No High Water Table (A2)
- No Saturation (A3)
- No Water Marks (B1)
- No Sediment Deposits (B2)
- No Drift Deposits (B3)
- No Algal Mat or Crust (B4)
- No Iron Deposits (B5)
- No Inundation on Aerial Imagery (B7)

Secondary Indicators (Need 2):
- No Water Stained Leaves (B9)
- No Aquatic Fauna (B13)
- No Mats Deposits (B15) (LRR U)
- No Hydrogen Sulfide Odor (C1)
- No Oxidized Root Channels (C3)
- No Presence of Reduced Iron (C4)
- No Recent Reduction in Tilled Soils (C6)
- No Thin Muck Surface (C7)
- No Other (Explain in Remarks)

Field Observations:
- Surface Water Present? None
- Water Table Present? None
- Saturation Present? None

Remarks:

SOIL

Depth Color % Color % Type Location Texture

<table>
<thead>
<tr>
<th>Inches</th>
<th>Lat 30.427980° Long -91.169003°</th>
<th>Soil Map Unit Name: Feliciana silt loam</th>
</tr>
</thead>
</table>

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains

Hydric Soil Indicators:
- No Hazid (A1)
- No Histic Epipedon (A2)
- No Black Histic (A3)
- No Hydrogen Sulfide (A4)
- No Stratified Layers (A5)
- No Organic Bodies (A6) (LRR P,T,U)
- No 5cm Mucky Mineral (A7) (LRR P,T,U)
- No Muck Presence (A8) (LRR U)
- No 1cm Muck (A9) (LRR P,T)
- No Depleted Below Dark Surface (A11)
- No Thick Dark Surface (A12)
- No Coal Prairie Redox (A16) (MLRA 150A)
- No Sandy Gleyed Matrix (S4)
- No Sandy Redox (S5)
- No Stripped Strip (59)

Restrictive Layer (if observed):
- Type: None
- Depth inches: None

Hydric Soil Present? No
### Dominance Test Worksheet:
- **(A):**
  - OBL: 0
  - FACW: 0
  - FAC: 0
  - UPL: 0

- **(AB):** 0.00%

### Prevalence Index Worksheet:
- **0 = Total Cover**
- **0 = Total Cover**

### Remarks:
- 90 Yes FACU
- 5 No FACU

### Definitions of Vegetation Strata:
- **Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3' or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3' in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody vine** - All woody vines, regardless of height.

### Prevalence Index Worksheet:
- **Total % Cover of:**
  - Multiply
  - OBL x1=
  - FACW x2=
  - FAC x3=
  - FACU x4=
  - UPL x5=

- **Prevalence Index (B/A)=**

### Hydrophytic Vegetation Indicators:
- **Rapid Test for Hydrophytic Veg:**
  - No
- **Dominance Test > 50%:**
  - No
- **Prevalence Index is ≤3.0:**
  - N/A
- **Problematic Hydrophytic Veg:**
  - No

### Providence
040-012-001-035NG WDR DF
WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site: I-10, LA 415 to Essen Lane on I-10 and I-12  
Applicant/Owner: Louisiana Department of Transportation and Development  
Investigator(s): Taylor Simoneaux, Tim Kimmel  
Sampling Date: 6/26/2017  
State: Louisiana  
Section, Township, Range: Section 53, Township 7 South, Range 1 West  
Landform (hillslope, terrace, etc.): Flat  
Investigator(s): Taylor Simoneaux, Tim Kimmel  
Section 53, Township 7 South, Range 1 West  
Flat Local Relief (concave, convex, none): None  
Subregion (LRR or MLRA): Lat: 30.429702° Long: -91.173623°  
Datum: NAD83  
Soil Map Unit Name: Oprairie silt  
Hydrophytic Vegetation Present? No  
Is the Sampled Area within a Wetland? No

SOIL

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>%</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>10YR 4/2</td>
<td>100</td>
<td>Polyvalue Below Surface (S8) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>4-16</td>
<td>10YR 5/4</td>
<td>100</td>
<td>Polyvalue Below Surface (S8) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:
- Hazid (A1)  
- Histic Epipedon (A2)  
- Black Histic (A3)  
- Hydrogen Sulfide (A4)  
- Stratified Layers (A5)  
- Organic Bodies (A6) (LRR P,T,U)  
- Suq Mucky Mineral (A7) (LRR P,T,U)  
- Muck Presence (A8) (LRR U)  
- Depleted Below Dark Surface (A11)  
- Thick Black Sucifer (A12)  
- Coast Prairie Redox (A16) (MLRA 159A)  
- Sandy Gleyed Matrix (S4) (LRR O,B)  
- Sandy Redox (S5) (LRR O,B)  
- Stripped Matrix (S6) (LRR P, S, T, U)  
- Dark Surface (S7) (LRR O,B)  

Restrictive Layer (if observed):
- Type: None  
- Depth inches: None  
- Hydric Soil Present? No

HYDROLOGY

Wetland Hydrology Indicators
- Primary Indicators (Need 1):
  - No Surface Water (A1)  
  - No High Water Table (A2)  
  - No Saturation (A3)  
  - No Water Marks (B1)  
  - No Sediment Deposits (B2)  
  - No Drift Deposits (B3)  
  - No Algal Mat or Crust (B4)  
  - No Iron Deposits (B5)  
  - No Inundation on Aerial Imagery (B7)  

- Secondary Indicators (Need 2):
  - No Water Stained Leaves (B9)  
  - No Aquatic Fauna (B13)  
  - No Mar Deposits (B15) (LRR U)  
  - No Presence of Reduced Iron (C4)  
  - No Recent Reduced in Tilled Soils (C6)  
  - No Thin Muck Surface (C7)  
  - No Other (Explain in Remarks)  

Field Observations:
- Surface Water Present? None Depth (inches): N/A  
- Water table Present? None Depth (inches): N/A  
- Saturation Present? None Depth (inches): N/A  
- Surface Water Present? No  
- Wetland Hydrology Present? No

SUMMARY OF FINDINGS

Hydric Soil Present? No

Remarks:

Hydric Soil Indicators:
- No 1cm Muck (A9) (LRR P,T)  
- No 5cm Mucky Mineral (A7) (LRR P,T,U)  
- No 1cm Muck (A9) (LRR P,T)  
- No 5cm Mucky Mineral (A7) (LRR P,T,U)  
- No 1cm Muck (A9) (LRR P,T)  

Restrictive Layer (if observed):
- Type: None  
- Depth inches: None  
- Hydric Soil Present? No

Remarks:
### Prevalence Index Worksheet

<table>
<thead>
<tr>
<th>Species</th>
<th>Cover %</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL</td>
<td>0</td>
<td>No</td>
</tr>
<tr>
<td>FACW</td>
<td>0</td>
<td>No</td>
</tr>
<tr>
<td>FACU</td>
<td>0</td>
<td>No</td>
</tr>
<tr>
<td>UPL</td>
<td>0</td>
<td>No</td>
</tr>
</tbody>
</table>

### Remarks:
- 40 Yes FACU
- 5 No FACU

### Definitions of Vegetation Strata:
- **Tree**: Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH.
- **Sapling**: Woody plants, excluding woody vines, approximately 20' or more in height and less than 3' in DBH.
- **Shrub**: Woody plants, excluding woody vines, approximately 3'-20' in height.
- **Herb**: All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody Vine**: All woody vines, regardless of height.

### Hydrophytic Vegetation Indicators:
- Rapid Test for Hydrophytic Veg: No
- Dominance Test > 50%: No
- Prevalence Index is ≤3.0: N/A
- Problematic Hydrophytic Veg: No

---

### VEGETATION SAMPLING POINT

#### Tree Stratum

<table>
<thead>
<tr>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Sapling Stratum

<table>
<thead>
<tr>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Shrub Stratum

<table>
<thead>
<tr>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Herb Stratum

<table>
<thead>
<tr>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sorghum halepense</td>
<td>40 Yes FACU</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paspalum notatum</td>
<td>40 Yes FACU</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trifolium repens</td>
<td>5 No FACU</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Woody Vine Stratum

<table>
<thead>
<tr>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

**Project/Site:** LA-415 to Essen Lane on I-10 and I-12  
**Parish:** East Baton Rouge  
**Sampling Date:** 6/26/2017  
**Applicant/Owner:** Louisiana Department of Transportation and Development  
**State:** Louisiana  
**Investigator:** Taylor Simmaeon, Tim Kimmel  
**Sampling Point:** Section, Township, Range: Section 51, Township 7 South, Range 1 West  
**Landform:** Flat  
**Local Relief:** None  
**Slope:** 1-3%  
**Soil Map Unit Name:** Scotlandville silty clay loam  
**Lat:** 30.438739°  
**Long:** -91.179111°  
**Datum:** NAD83  
**Subregion (LRR or MLRA):**  
**Flat Local Relief (concave, convex, none):** None  
**Subregion (LRR or MLRA):** Lat: 30.438739° Long: -91.179111° Datum: NAD83  
**WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION**  
**I-10: LA 415 to Essen Lane on I-10 and I-12**  
**Parish:** East Baton Rouge  
**6/26/2017**  
**State:** Louisiana  
**Type:** PROVIDENCE  
**040-012-001-035NG WDR DF**  

#### HYDROLOGY

**Wetland Hydrology Indicators**

<table>
<thead>
<tr>
<th>Primary Indicators (Need 1):</th>
<th>Secondary Indicators (Need 2):</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Surface Water (A1)</td>
<td>No Surface Soil Cracked (B6)</td>
</tr>
<tr>
<td>No High Water Table (A2)</td>
<td>No Sparsely Veg. Concave Surface (B8)</td>
</tr>
<tr>
<td>No Saturation (A3)</td>
<td>No Aquatic Fauna (B13)</td>
</tr>
<tr>
<td>No Water Marks (B1)</td>
<td>No Moss Trim Lines (B16)</td>
</tr>
<tr>
<td>No Sediment Deposits (B2)</td>
<td>No Hydrogen Sulfide Odor (C1)</td>
</tr>
<tr>
<td>No Drift Deposits (B3)</td>
<td>No Oxidized Root Channels (C3)</td>
</tr>
<tr>
<td>No Algal Mat or Crust (B4)</td>
<td>No Presence of Reduced Iron (C4)</td>
</tr>
<tr>
<td>No Iron Deposits (B5)</td>
<td>No Recent Reduct. in Tilled Soils (C6)</td>
</tr>
<tr>
<td>No Inundation on Aerial Imagery (B7)</td>
<td>No Thin Muck Surface (C7)</td>
</tr>
</tbody>
</table>

**Field Observations:**

<table>
<thead>
<tr>
<th>Surface Water Present?</th>
<th>Water table Present?</th>
<th>Saturation Present?</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Depth (inches): N/A</td>
<td>Depth (inches): N/A</td>
</tr>
</tbody>
</table>

**Wetland Hydrology Present?** No

**Remarks:**

#### SOIL

**Depth**

<table>
<thead>
<tr>
<th>Inches</th>
<th>Color</th>
<th>%</th>
<th>Color</th>
<th>%</th>
<th>Type</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Type:** C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains  
**Location:** PL=Pore Lining, M=Matrix

**Hydric Soil Indicators:**

<table>
<thead>
<tr>
<th>No</th>
<th>No</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Histic Epipedon (A2)</td>
<td>Polyvalue Below Surface (S8) (LRR S,T,U)</td>
<td>Delipidated Dark Surface (F7)</td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Black Histic (A3)</td>
<td>Thin Dark Surface (S9) (LRR S,T,U)</td>
<td>Redox Depressions (F8)</td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Hydrogen Sulfide (A4)</td>
<td>Loamy Mucky Mineral (F1) (LRR O)</td>
<td>Other (Explain)</td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Stratified Layers (A5)</td>
<td>Loamy Gleyed Matrix (F2)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Organic Bodies (A6) (LRR P,T,U)</td>
<td>Depleted Matrix (F3)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Scleroderma (T) (LRR P,T,U)</td>
<td>Depleted Dark Surface (F7)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Muck Presence (A8) (LRR O)</td>
<td>Redox Dark Surface (F6)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>1cm Muck (A9) (LRR P,T)</td>
<td>Delipidated Ochric (F11) (MLRA 151)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Depleted Below Dark Surface (A11)</td>
<td>Delipidated Ochric (F11) (MLRA 151)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Thick Dark Surface (A12)</td>
<td>Iron-Manganese Masses (F12) (LRR O,P,T)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Coast Prairie Redox (A16) (MLRA 150A)</td>
<td>Umbirc Surface (F13) (LRR P,T,U)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Sandy Gleyed Matrix (S4)</td>
<td>Delta Ochric (F17) (MLRA 151)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Sandy Redox (S5)</td>
<td>Reduced Vertic (F18) (MLRA 150A, 150B)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>-striped Redox (S9)</td>
<td>Piedmont Floodplain Soils (F19) (MLRA 149A)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Dark Surface (S7) (LRR P,S,T,U)</td>
<td>Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)</td>
<td></td>
</tr>
</tbody>
</table>

**Restrictive Layer (if observed):**

<table>
<thead>
<tr>
<th>Type:</th>
<th>None</th>
<th>Hydric Soil Present?</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth inches:</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

No soil sample collected due to fill in the soil profile.
### VEGETATION

#### SAMPLING POINT

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
<th>Prevalence Index Worksheet:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tree</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quercus virginiana</td>
<td>40</td>
<td>Yes</td>
<td>FACU</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sapling</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td>OBL x1=</td>
<td></td>
</tr>
<tr>
<td>shrub</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td>FACW x2=</td>
<td></td>
</tr>
<tr>
<td>herb</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td>FACU x3=</td>
<td></td>
</tr>
<tr>
<td>herbine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td>FAC x4=</td>
<td></td>
</tr>
<tr>
<td>woody vine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td>UPL x5=</td>
<td></td>
</tr>
<tr>
<td>woody vine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td>A Totals B</td>
<td></td>
</tr>
<tr>
<td>woody vine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>woody vine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>woody vine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>woody vine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>woody vine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>woody vine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>woody vine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>woody vine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>woody vine</td>
<td>0</td>
<td>Total Cover</td>
<td>50/20 Threshold</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Hydrophytic Vegetation Indicators:
- Rapid Test for Hydrophytic Veg: No
- Dominance Test > 50%: No
- Prevalence Index is ≤3.0: N/A
- Problematic Hydrophytic Veg: No

#### Definitions of Vegetation Strata:
- **Tree**: Woody plants, excluding woody vines, approximately 20' or more in height and 3’ or larger in DBH.
- **Sapling**: Woody plants, excluding woody vines, approximately 20' or more in height and less than 3’ in DBH.
- **Shrub**: Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb**: All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody vine**: All woody vines, regardless of height.

### Remarks:

- **Trifolium repens**
- **Stenotaphrum secundatum**

---

**040-012-001-035NG WDR DF**

**PROVIDENCE**
**HYDROLOGY**

- Wetland Hydrology Indicators:
  - Primary Indicators (Need 1):
    - Surface Water (A1)
    - Water Stained Leaves (B9)
    - Aquatic Fauna (B13)
    - Hydrogen Sulfide Odor (C1)
    - Oxidized Root Channels (C3)
    - Crayfish Burrows (C8)
    - Thin Muck Surface (C7)
    - Recent Reduct. in Tilled Soils (C6)
    - Presence of Reduced Iron (C4)
    - Shallow Aquitard (D3)
    - FAC-Neutral Test (D5)
    - Very Shallow Dark Surface (TF12)
    - Other (Explain in Remarks)

- Secondary Indicators (Need 2):
  - Surface Soil Cracked (B6)
  - Sparsely Veg. Concave Surface (B8)
  - Moss Trim Lines (B16)
  - Dry-Season Water Table (C2)
  - Clay-Feathered Edges (C3)
  - FAC-Neutral Test (D5)
  - Sphagnum Moss (D8)

- Field Observations:
  - Surface Water Present?: None
  - Water table Present?: None
  - Saturation Present?: None

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>%</td>
<td>Location</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- No
- Histic Epipedon (A2)
- No
- Loamy Mucky Mineral (F1)
- No
- Oxidized Root Channels (C3)
- No
- Thin Muck Surface (C7)
- No
- Recent Reduct. in Tilled Soils (C6)
- No
- Reduced Iron Channels (C8)
- No
- Sphagnum Moss (D8)
- No

- Hydric Soil Present?: No

- No soil sample collected due to fill underneath the vegetation. Chunks of concrete and various metals mixed in.

**SUMMARY OF FINDINGS**

- Are climatic / hydrologic conditions on the site typical for this time of year? Yes
- Are Vegetation, Soil, or Hydrology significantly disturbed? No
- Are Vegetation, Soil, or Hydrology naturally problematic? Yes
### Dominance Test Worksheet:

- **Number of Dominant Species That are OBL, FACW, or FAC**
  - (A): 1

- **Total Number of Dominant Species Across All Strata**
  - 2

- **Percent of Dominant Species That Are OBL, FACW, or FAC**
  - (AB): 50.00%

### Prevalence Index Worksheet:

- **50/20 Threshold**
  - 50% of Total Cover = 0
  - 20% of Total Cover = 0

- **Prevalence Index (B/A):**

<table>
<thead>
<tr>
<th></th>
<th>A Totals</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL</td>
<td>x1=</td>
<td></td>
</tr>
<tr>
<td>FACW</td>
<td>x2=</td>
<td></td>
</tr>
<tr>
<td>FAC</td>
<td>x3=</td>
<td></td>
</tr>
<tr>
<td>FACU</td>
<td>x4=</td>
<td></td>
</tr>
<tr>
<td>UPL</td>
<td>x5=</td>
<td></td>
</tr>
</tbody>
</table>

### Prevalence Index Worksheet: Multiply

- **Total % Cover of:**

<table>
<thead>
<tr>
<th></th>
<th>Multiply</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL</td>
<td></td>
</tr>
<tr>
<td>FACW</td>
<td></td>
</tr>
<tr>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>FACU</td>
<td></td>
</tr>
<tr>
<td>UPL</td>
<td></td>
</tr>
</tbody>
</table>

### Hydrophytic Vegetation Indicators:

- **Rapid Test for Hydrophytic Veg:**
  - No

- **Dominance Test > 50%:**
  - No

- **Prevalence Index is ≤3.0:**
  - N/A

- **Problematic Hydrophytic Veg:**
  - No

### Definitions of Vegetation Strata:

- **Tree:** Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH.

- **Sapling:** Woody plants, excluding woody vines, approximately 20' or more in height and less than 3' in height.

- **Shrub:** Woody plants, excluding woody vines, approximately 3-20' in height.

- **Herb:** All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.

- **Woody Vine:** All woody vines, regardless of height.

### Remarks:

- **Verbena bonariensis**
- **Rubus trivialis**
- **Solidago altissima**

### Providence
### Project Info
- **Project/Site:** I-10 LA 415 to Essen Lane on I-10 and I-12
- **Parish:** West Baton Rouge
- **Sampling Date:** 6/26/2017
- **Applicant/Owner:** Louisiana Department of Transportation and Development
- **Investigator(s):** Taylor Simonaux, Tim Kimmel
- **Landform (hillslope, terrace, etc.):** Flat
- **Section, Township, Range:** Section 93, Township 7 South, Range 12 East
- **Investigator(s):** Taylor Simonaux, Tim Kimmel
- **Section:** 93
- **Township:** 7 South
- **Range:** 12 East

### Hydrology
- **Primary Indicators:**
  - Surface Water
  - Water Stained Leaves
  - Aquatic Fauna
- **Secondary Indicators:**
  - Surface Soil Cracked
  - Sparsely Veg. Concave Surface

### Soil
- **Depth (inches):**
  - 0-16
  - 17-24
  - 25-36
- **Matrix:**
  - 10YR 4/2
  - 10YR 4/6
  - 7.5YR 4/6
- **Texture:** silty clay
- **Redox Features:**
  - Polyvalue Below Surface
  - Thin Dark Surface
  - Loamy Mucky Mineral
  - Loamy Gleyed Matrix

### Summary of Findings
- **Hydrophytic Vegetation Present?** Yes
- **Hydric Soil Present?** Yes
- **Wetland Hydrology Present?** No

### Remarks
- **Remarks:**
- **Soil Map Unit Name:** Sharkey clay
- **Wetland Type:** None
- **Saturation Present?** Yes
- **Surface Water Present?** Yes
- **Wetland Hydrology Present?** No
- **Hydric Soil Present?** Yes
- **Hydric Vegetation Present?** Yes
- **Is the Sampled Area within a Wetland?** No
### Dominance Test Worksheet:

<table>
<thead>
<tr>
<th>Number of Dominant Species That are OBL, FACW, or FAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
</tr>
</tbody>
</table>

Total Number of Dominant Species Across All Strata: 6

Percent of Dominant Species That Are OBL, FACW, or FAC: 83.33%

### Prevalence Index Worksheet:

<table>
<thead>
<tr>
<th>Total Cover of:</th>
<th>Multiply</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL x1=</td>
<td></td>
</tr>
<tr>
<td>FAC x2=</td>
<td></td>
</tr>
<tr>
<td>FACU x3=</td>
<td></td>
</tr>
<tr>
<td>OPL x5=</td>
<td></td>
</tr>
</tbody>
</table>

A Totals B

Prevalence Index (B/A)=

### Hydrophytic Vegetation Indicators:

- **Rapid Test for Hydrophytic Veg:**
  - No
  - Yes
  - N/A

### Definitions of Vegetation Strata:

- **Tree:** Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH.
- **Sapling:** Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH.
- **Shrub:** Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb:** All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody vine:** All woody vines, regardless of height.

### Remarks:

040-012-001-035NG WDR DF

PROVIDENCE
**Project/Site:** LA 415 to Essen Lane on I-10 and I-12  
**Applicant/Owner:** Louisiana Department of Transportation and Development  
**Investigator(s):** Taylor Simoneaux, Tim Kimmel  
**Soil Map Unit Name:** Commerce silty clay loam  
**Lat:** 30.448275°  
**Long:** -91.246666°  
**Datum:** NAD83  
**Subregion (LRR or MLRA):** None  
**Latitude:** 30.448275°  
**Longitude:** -91.246666°  
**Datum:** NAD83  
**Area:**  

### HYDROLOGY

<table>
<thead>
<tr>
<th>Wetland Hydrology Indicators</th>
<th>Secondary Indicators (Need 2):</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Surface Water Cracked (B6)</td>
<td>No Sparsely Veg. Concave Surface (B8)</td>
</tr>
<tr>
<td>No Aquatic Fauna (B13)</td>
<td>No Moss Trim Lines (B16)</td>
</tr>
<tr>
<td>No Hydrogen Sulfide Odor (C1)</td>
<td>No Dry-Season Water Table (C2)</td>
</tr>
<tr>
<td>No Oxidized Root Channels (C3)</td>
<td>No Clayfish Burrows (C8)</td>
</tr>
<tr>
<td>No Presence of Reduced Iron (C4)</td>
<td>No Saturation on Aerial Imagery (C9)</td>
</tr>
<tr>
<td>No Recent Reduct. in Tilled Soils (C6)</td>
<td>No Geomorphic Position (D2)</td>
</tr>
<tr>
<td>No Thin Muck Surface (C7)</td>
<td>No Shallow Aquitard (D3)</td>
</tr>
<tr>
<td>No Other (Explain in Remarks)</td>
<td>No FAC-Neutral Test (D5)</td>
</tr>
<tr>
<td>No Spagnum Moss (D6)</td>
<td>No Natural Circumstances Present (D)</td>
</tr>
</tbody>
</table>

### SOIL

**Matrix Redox Features Location:**  
- PL=Pore Lining, M=Matrix

<table>
<thead>
<tr>
<th>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains</th>
<th>Location: PL=Pore Lining, M=Matrix</th>
</tr>
</thead>
</table>

**Matrix Redox Features Location:**  
- PL=Pore Lining, M=Matrix

### HYDRIC SOIL INDICATORS:

<table>
<thead>
<tr>
<th>Indicators for Problematic Soils:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No 1cm Muck (A0) (MLRA 0)</td>
</tr>
<tr>
<td>No 2cm Muck (A10) (MLRA 5)</td>
</tr>
<tr>
<td>No Reduced Vertic (F18) (outside MLRA 150A,B)</td>
</tr>
<tr>
<td>No Piedmont Floodplain Soils (F19) (MLRA P,S,T)</td>
</tr>
<tr>
<td>No Anomalous Bright Loamy Soils (F20) (MLRA 153B)</td>
</tr>
<tr>
<td>No Red Parent Material (TF2)</td>
</tr>
<tr>
<td>No Very Shallow Dark Surface (TF12)</td>
</tr>
<tr>
<td>No Other (Explain)</td>
</tr>
</tbody>
</table>

Hydric Soil Present? Yes

### SUMMARY OF FINDINGS

Hydric Soil Present? Yes

Is the Sampled Area within a Wetland? No

Remarks:

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>%</th>
<th>Matrix</th>
<th>Color</th>
<th>%</th>
<th>Redox Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-16</td>
<td>10YR 4/2</td>
<td>70</td>
<td>10YR 5/2</td>
<td>10</td>
<td>D</td>
<td>M</td>
</tr>
<tr>
<td>10YR 5/6</td>
<td>20</td>
<td>C</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hydric Soil Present? Yes

Remarks:

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>%</th>
<th>Matrix</th>
<th>Color</th>
<th>%</th>
<th>Redox Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-16</td>
<td>10YR 4/2</td>
<td>70</td>
<td>10YR 5/2</td>
<td>10</td>
<td>D</td>
<td>M</td>
</tr>
<tr>
<td>10YR 5/6</td>
<td>20</td>
<td>C</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:

- No Hydric Ellipoid (A1)
- No Histic Epipedon (A2)
- No Black Histic (A3)
- No Hydrogen Sulfide (A4)
- No Stratified Layers (A5)
- No Organic Bodies (A6)
- No 1cm Muck (A8)
- No Depleted Below Dark Surface (A11)
- No Thick Dark Surface (A12)
- No Coast Prairie Redox (A16)
- No Sandy Redox (S5)
- No Stripped Matrix (S9)
- No Dark Surface (S7)

Restrictive Layer (if observed):

Type: None

Depth inches: None

Hydric Soil Present? Yes

Remarks:

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>%</th>
<th>Matrix</th>
<th>Color</th>
<th>%</th>
<th>Redox Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-16</td>
<td>10YR 4/2</td>
<td>70</td>
<td>10YR 5/2</td>
<td>10</td>
<td>D</td>
<td>M</td>
</tr>
<tr>
<td>10YR 5/6</td>
<td>20</td>
<td>C</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:

- No Hydric Ellipoid (A1)
- No Histic Epipedon (A2)
- No Black Histic (A3)
- No Hydrogen Sulfide (A4)
- No Stratified Layers (A5)
- No Organic Bodies (A6)
- No 1cm Muck (A8)
- No Depleted Below Dark Surface (A11)
- No Thick Dark Surface (A12)
- No Coast Prairie Redox (A16)
- No Sandy Redox (S5)
- No Stripped Matrix (S9)
- No Dark Surface (S7)

Restrictive Layer (if observed):

Type: None

Depth inches: None

Hydric Soil Present? Yes

Remarks:
### VEGETATION

#### SAMPLING POINT

<table>
<thead>
<tr>
<th></th>
<th>Tree Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Dominance Test Worksheet:**

- Number of Dominant Species That are OBL, FACW, or FAC: 0
- Total Number of Dominant Species Across All Strata: 1
- Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00%

#### Prevalence Index Worksheet:

<table>
<thead>
<tr>
<th></th>
<th>Sapling Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Prevalence Index:**

- Total % Cover of: Multiply
  - 0 OBL x1 = 0
  - 0 FACW x2 = 0
  - 0 FAC x3 = 0
  - 95 FACU x4 = 380
  - 0 UPL x5 = 0
  - 95 A Totals B 380

- Prevalence Index (B/A): 4.00

**Hydrophytic Vegetation Indicators:**

- Rapid Test for Hydrophytic Veg: No
- Dominance Test > 50%: No
- Prevalence Index ≤ 3.0: No
- Problematic Hydrophytic Veg: No

#### Definitions of Vegetation Strata:

- **Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody Vine** - All woody vines, regardless of height.

### Remarks:

- **Herb Stratum** - Sparpalam notatum: 55 = Yes FACU

- **Woody Vine Stratum** - None

- **Hydrophytic Vegetation Present?** No
PROJECT/SITE: Sampling Date: 6/26/2017
Applicant/Owner: Sampling Point: 17
Investigator(s): Section, Township, Range: Section 93, Township 7 South, Range 12 East
Landform (hillslope, terrace, etc.): Flat
Local Relief (concave, convex, none): None
Slope: 0-1%

Soil Map Unit Name: Sharkey clay

HYDROLOGY
Wetland Hydrology Indicators
Secondary Indicators (Need 2):
Primary Indicators (Need 1): No

Field Observations:

SOIL

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>%</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains
Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

Hydric Soil Present? Yes

Remarks:
No soil sample collected. Soils assumed hydric due to extent/duration of inundation.
### Dominance Test Worksheet:

- Number of Dominant Species That are OBL, FACW, or FAC: (A): 1
- Total Number of Dominant Species Across All Strata: 1
- Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B): 100.00%

### Prevalence Index Worksheet:

0 = Total Cover
- Multiply
- OBL x1=
- FACW x2=
- FAC x3=
- FACU x4=
- UPL x5=
- A Totals

### Prevalence Index (B/A):

Hydrophytic Vegetation Indicators:
- Rapid Test for Hydrophytic Veg: No
- Dominance Test > 50%: Yes
- Prevalence Index is ≤3.0: N/A
- Problematic Hydrophytic Veg: No

### Definitions of Vegetation Strata:

- **Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody Vine** - All woody vines, regardless of height.

### Remarks:

- Hydrophytic Vegetation Present?: Yes

---

### VEGETATION SAMPLING POINT

#### Tree Stratum

- **Plot Size:** 30'
- **Absolute % Cover:**
- **Dominant Species:**
- **Indicator Status:**

<table>
<thead>
<tr>
<th>Species</th>
<th>Cover</th>
<th>Indicator</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Sapling Stratum

- **Plot Size:** 30'
- **Absolute % Cover:**
- **Dominant Species:**
- **Indicator Status:**

<table>
<thead>
<tr>
<th>Species</th>
<th>Cover</th>
<th>Indicator</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Shrub Stratum

- **Plot Size:** 30'
- **Absolute % Cover:**
- **Dominant Species:**
- **Indicator Status:**

<table>
<thead>
<tr>
<th>Species</th>
<th>Cover</th>
<th>Indicator</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Herb Stratum

- **Plot Size:** 30'
- **Absolute % Cover:**
- **Dominant Species:**
- **Indicator Status:**

<table>
<thead>
<tr>
<th>Species</th>
<th>Cover</th>
<th>Indicator</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zizaniopsis miliacea</td>
<td>80</td>
<td>Yes</td>
<td>OBL</td>
</tr>
<tr>
<td>Eleocharis baldwinii</td>
<td>10</td>
<td>No</td>
<td>OBL</td>
</tr>
<tr>
<td>Alternanthera philoxeroides</td>
<td>5</td>
<td>No</td>
<td>OBL</td>
</tr>
</tbody>
</table>

#### Woody Vine Stratum

- **Plot Size:** 30'
- **Absolute % Cover:**
- **Dominant Species:**
- **Indicator Status:**

<table>
<thead>
<tr>
<th>Species</th>
<th>Cover</th>
<th>Indicator</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site: I-10 LA 415 to Essen Lane on I-10 and I-12
Parish: West Baton Rouge
Sampling Date: 6/26/2017
Applicant/Owner: Louisiana Department of Transportation and Development
State: Louisiana
Sampling Point: 18
Investigator(s): Taylor Simoneaux, Tim Kimmel
Section, Township, Range: Section 69, Township7S, R12E
Landform (hillslope, terrace, etc.): Flat
Local Relief (concave, convex, none): None
Slope: 0

<table>
<thead>
<tr>
<th>Soil Map Unit Name:</th>
<th>Yunica clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRR P</td>
<td></td>
</tr>
<tr>
<td>Soil Indicators:</td>
<td></td>
</tr>
<tr>
<td>Core:</td>
<td></td>
</tr>
<tr>
<td>Lat: 30.44115°</td>
<td>Long: -91.220109°</td>
</tr>
</tbody>
</table>

Hydric Soil Present? No

Hydric Soil Indicators:
- No Hazid (A1)
- No Black Histic (A3)
- No Hyp. Gleyed Matrix (A6)
- No Muck Presence (A8) (LRR U)
- Depleted Below Dark Surface (A11)
- No Thick Dark Surface (A12)
- No Coast Prairie Redox (A16) (MLRA 150A)
- No Sandy Gleyed Matrix (S4)
- No Sandy Redox (S5)
- No Stripped Matrix (S9)
- No Dark Surface (B7) (LRR P, S, T, U)

Indicators for Problematic Soils:
- No 1cm Muck (A9) (LRR P, T)
- No Depleted Ochric (F11) (MLRA 151)
- No Iron-Manganese Masses (F12) (LRR O,P,T)
- No Ulmric Surface (F13) (LRR P, T, U)
- No Reduced Vertic (F18) (MLRA 150A, 150B)
- No Piedmont Floodplain Soils (F19) (MLRA 149A)
- No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

Restrictive Layer (if observed):
Type: None
Depth inches: None

Remarks:

Hydric Soil Present? Yes

SOIL

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix</th>
<th>%</th>
<th>Color</th>
<th>%</th>
<th>Type</th>
<th>Location</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-16</td>
<td>10YR 4/2</td>
<td>70</td>
<td>10YR 5/1</td>
<td>10</td>
<td>D</td>
<td>M</td>
<td>silty clay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10YR 4/6</td>
<td>20</td>
<td>C</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains
Location: PL=Pore Lining, M=Matrix

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? No
Hydric Soil Present? Yes
Wetland Hydrology Present? No

Hydrological Indicators:
- No Surface Water (A1)
- No Water Stained Leaves (B9)
- No Aquatic Fauna (B13)
- No Water Table (A2)
- No Saturation (A3)
- No Water Marks (B1)
- No Drift Deposits (B3)
- No Algal Mat or Crust (B4)
- No Iron Deposits (B5)
- No Inundation on Aerial Imagery (B7)

Field Observations:
- None

Remarks:

Hydric Soil Present? Yes
### Dominance Test Worksheet:

<table>
<thead>
<tr>
<th>Dominant Species</th>
<th>Indicator Status</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPL</td>
<td>Yes</td>
<td>20</td>
</tr>
<tr>
<td>FACU</td>
<td>Yes</td>
<td>5</td>
</tr>
</tbody>
</table>

(A): Total Number of Dominant Species Across All Strata = 8

Percent of Dominant Species That Are OBL, FACW, or FAC = 37.50%

### Prevalence Index Worksheet:

<table>
<thead>
<tr>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
<th>Multiply</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL x1=</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FACW x2=</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAC x3=</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FACU x4=</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UPL x5=</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Prevalence Index (B/A) =

### Definitions of Vegetation Strata:

- **Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3" or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3" in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody Vine** - All woody vines, regardless of height.

### Hydrophytic Vegetation Indicators:

- Rapid Test for Hydrophytic Veg: No
- Dominance Test > 50%: No
- Prevalence Index is ≤3.0: N/A
- Problematic Hydrophytic Veg: No

### Prevalence Index Worksheet:

<table>
<thead>
<tr>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
<th>Multiply</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL x1=</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FACW x2=</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAC x3=</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FACU x4=</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UPL x5=</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Prevalence Index (B/A) =

### Hydrophytic Vegetation Present?

No
WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site: I-10: LA 415 to Essen Lane on I-10 and I-12
Parish: East Baton Rouge
Applicant/Owner: I-10
Investigator(s): Taylor Simoneaux, Tim Kimmel
Section, Township, Range: Section 51, Township 7 South, Range 1 West
Landform (hillslope, terrace, etc.): Flat

Soil Map Unit Name:

Wetland Hydrology Indicators

Primary Indicators (Need 1):
- No Surface Water (A1)
- No High Water Table (A2)
- No Saturation (A3)
- No Water Marks (B1)
- No Sediment Deposits (B2)
- No Drift Deposits (B3)
- No Algal Mats or Crust (B4)
- No Iron Deposits (B5)
- No Inundation on Aerial Imagery (B7)

Secondary Indicators (Need 2):
- No Water Stained Leaves (B9)
- No Aquatic Fauna (B13)
- No Moss Trim Lines (B16)
- No Presence of Reduced Iron (C4)
- No Recent Reduction in Tilled Soils (C7)
- No Thin Muck Surface (C7)
- No Other (Explain in Remarks)

Field Observations:
- Surface Water Present?
- Water Table Present?
- Saturation Present?

SOIL

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3</td>
<td>10YR 5/3</td>
<td>100</td>
<td>Polyvalue Below Surface (S8) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
<tr>
<td>2-16</td>
<td>10YR 5/4</td>
<td>90</td>
<td>Thin Dark Surface (S9) (LRR S,T,U)</td>
<td>silt loam</td>
</tr>
</tbody>
</table>

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains
Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:
- No Hazardous (A1)
- No Black Histic (A3)
- No Hydrogen Sulfide (A4)
- No Stratified Layers (A5)
- No Organic Bodies (A6) (LRR P,T,U)
- No Sulfidic Mucky Mineral (A7) (LRR P,T,U)
- No Muck Presence (A8) (LRR U)
- No Depilated Below Dark Surface (A11)
- No Thick Dark Surface (A12)
- No Coast Prairie Redox (A16) (MLRA 150A)
- No Sandy Gleyed (A19) (MLRA 150A)
- No Dark Surface (A21) (LRR P, S, T, U)

Indicators for Problematic Soils:
- No 1cm Muck (A9) (LRR O)
- No Loamy Mucky Mineral (F1) (LRR O)
- No Loamy Gleyed Matrix (F2)
- No Depleted Matrix (F3)
- No Depleted Dark Surface (F7)
- No Redox Depletions (F8)

Restrictive Layer (if observed):
- No

Remarks:

Hydric Soil Indicators:
- No Hazardous (A1)
- No Black Histic (A3)
- No Hydrogen Sulfide (A4)
- No Stratified Layers (A5)
- No Organic Bodies (A6) (LRR P,T,U)
- No Sulfidic Mucky Mineral (A7) (LRR P,T,U)
- No Muck Presence (A8) (LRR U)
- No Depilated Below Dark Surface (A11)
- No Thick Dark Surface (A12)
- No Coast Prairie Redox (A16) (MLRA 150A)
- No Sandy Gleyed (A19) (MLRA 150A)
- No Dark Surface (A21) (LRR P, S, T, U)

Indicators for Problematic Soils:
- No 1cm Muck (A9) (LRR O)
- No Loamy Mucky Mineral (F1) (LRR O)
- No Loamy Gleyed Matrix (F2)
- No Depleted Matrix (F3)
- No Depleted Dark Surface (F7)
- No Redox Depletions (F8)

Restrictive Layer (if observed):
- No

Remarks:
### Dominance Test Worksheet:

- **(A):**
  - 20 Yes FAC
  - 2
  - Total Number of Dominant Species Across All Strata: 2
  - Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00%

### Prevalence Index Worksheet:

- **20 = Total Cover**
- **50/20 Threshold**
- **50% of Total Cover =**
- **20% of Total Cover =**
- **Multiply**
  - OBL x1=
  - FACW x2=
  - FAC x3=
  - FACU x4=
  - UPL x5=
- **A Totals**
- **B**

### Prevalence Index Worksheet:

- **20 = Total Cover**
- **50/20 Threshold**
- **50% of Total Cover =**
- **20% of Total Cover =**
- **Multiply**
  - OBL x1=
  - FACW x2=
  - FAC x3=
  - FACU x4=
  - UPL x5=
- **A Totals**
- **B**

### Definitions of Vegetation Strata:

- **Tree -** Woody plants, excluding woody vines, approximately 20' or more in height and 3' or larger in DBH.
- **Sapling -** Woody plants, excluding woody vines, approximately 20' or more in height and less than 3' in DBH.
- **Shrub -** Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb -** All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody vine -** All woody vines, regardless of height.

### Hydrophytic Vegetation Indicators:

- Rapid Test for Hydrophytic Veg:
  - No
- Dominance Test > 50%:
  - Yes
- Prevalence Index is ≤3.0:
  - N/A
- Problematic Hydrophytic Veg:
  - No

### Remarks:

- **040-012-001-035NG WDR DF PROVIDENCE**
### HYDROLOGY

**Wetland Hydrology Indicators**

<table>
<thead>
<tr>
<th>Primary Indicators (Need 1):</th>
<th>Secondary Indicators (Need 2):</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Surface Water (A1)</td>
<td>No Surface Soil Cracked (B6)</td>
</tr>
<tr>
<td>No High Water Table (A2)</td>
<td>No Sparsely Veg. Concave Surface (B8)</td>
</tr>
<tr>
<td>No Saturation (A3)</td>
<td>No Moss Trim Lines (B16)</td>
</tr>
<tr>
<td>No Water Marks (B1)</td>
<td>No Dry-Season Water Table (C2)</td>
</tr>
<tr>
<td>No Sediment Deposits (B2)</td>
<td>No Crayfish Burrows (C8)</td>
</tr>
<tr>
<td>No Drift Deposits (B3)</td>
<td>No Saturation on Aerial Imagery (C9)</td>
</tr>
<tr>
<td>No Algal Mat or Crust (B4)</td>
<td>No Geomorphic Position (D2)</td>
</tr>
<tr>
<td>No Iron Deposits (B5)</td>
<td>No Shallow Aquatard (D3)</td>
</tr>
<tr>
<td>No Inundation on Aerial Imagery (B7)</td>
<td>No FAC-Neutral Text (D5)</td>
</tr>
</tbody>
</table>

**Field Observations:**

<table>
<thead>
<tr>
<th>Surface Water Present?</th>
<th>None Depth (inches):</th>
<th>N/A</th>
<th>Wetland Hydrology Present?</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water table Present?</td>
<td>None Depth (inches):</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturation Present?</td>
<td>None Depth (inches):</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

### SOIL

<table>
<thead>
<tr>
<th>Depth</th>
<th>Matrix</th>
<th>Color</th>
<th>%</th>
<th>Color</th>
<th>%</th>
<th>Redox Features</th>
<th>Type</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>10YR 3/1</td>
<td>100</td>
<td>15</td>
<td>C</td>
<td>M</td>
<td>silt loam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-16</td>
<td>10YR 4/1</td>
<td>85</td>
<td>15</td>
<td>C</td>
<td>M</td>
<td>silt loam</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

| Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| No Hazid (A1)                   | No Polyvalue Below Surface (S8) | (LRR S,T,U)                     |
| No Black Histic (A3)            | No Thin Dark Surface (S9)       | (LRR S,T,U)                     |
| No Hydrogen Sulfide (A4)        | No Loamy Mucky Mineral (F1)     | (LRR O)                        |
| No Stratified Layers (A5)       | No Loamy Gleyed Matrix (F2)     |                                |
| No Organic Bodies (A6)          | Yes Depleted Matrix (F3)        |                                |
| No Scm Mucky Mineral (A7)       | No Depleted Dark Surface (F7)   |                                |
| No Muck Presence (A8)           | No Redox Depressions (F8)       |                                |
| No 1cm Muck (A9) (LRR P,T)      | No Mar (F10) (LRR U)            |                                |
| No Depleted Below Dark Surface (A11) | No Depleted Ochric (F11) (MLRA 151) |
| No Thick Dark Surface (A12)     | No Iron-Manganese Masses (F12) | (LRR O,P,T)                     |
| No Coast Prairie Redox (A16) (MLRA 150A) | No Umbic Surface (F13) (LRR P, T, U) |
| No Sandy Gleyed Matrix (S4)     | No Delta Ochric (F17) (MLRA 151) |
| No Sandy Redox (S5)             | No Reduced Vertic (F18)         | (MLRA 150A, 150B)               |
| No Stripped Matrix S9           | No Piedmont Floodplain Soils (F19) (MLRA 149A) |
| No Dark Surface (S7) (LRR P, S, T, U) | No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) |

**Restrictive Layer (if observed):**

<table>
<thead>
<tr>
<th>Type:</th>
<th>Depth inches:</th>
<th>Hydric Soil Present?</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Remarks:**

### SUMMARY OF FINDINGS

- **Wetland Hydrophytic Vegetation Present?** Yes
- **Hydric Soil Present?** Yes
- **Wetland Hydrology Present?** No
### VEGETATION

**Tree Stratum**
- **Plot Size:** 30'
- **Absolute % Cover**
- **Dominant Species**
- **Indicator Status**
  - Ulmus americana: 20, Yes, FAC
  - Celtis occidentalis: 20, Yes, FACW
  - Quercus nigra: 10, No, FAC
  - Phellodendron amurense: 10, No, FACU

**Prevalence Index Worksheet:**
- Total % Cover of:
  - Multiply
    - OBL: x1
    - FACW: x2
    - FAC: x3
    - FACU: x4
    - UPL: x5
- A Totals B

---

**Shrub Stratum**
- **Plot Size:** 30'
- **Absolute % Cover**
- **Dominant Species**
- **Indicator Status**
  - *Ligustrum sinense*: 30, Yes, FAC

**Herb Stratum**
- **Plot Size:** 30'
- **Absolute % Cover**
- **Dominant Species**
- **Indicator Status**
  - *Solanum nigrum*: 70, Yes, FACU
  - *Mimosa pudica*: 20, Yes, FACU
  - *Ipomoea purpurea*: 10, No, UPL

**Woody Vine Stratum**
- **Plot Size:** 30'
- **Absolute % Cover**
- **Dominant Species**
- **Indicator Status**
  - *Toxicodendron radicans*: 10, Yes, FAC

**Remarks:**

---

**Definitions of Vegetation Strata:**

**Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3' or larger in DBH.

**Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3' in DBH.

**Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.

**Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.

**Woody vine** - All woody vines, regardless of height.

**Hydrophytic Vegetation Present?** Yes

---

**Providence**

040-012-001-035 NG WDR DF
**WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION**

**Project/Site:** I-10: LA 415 to Essen Lane on I-10 and I-12  
**Parish:** East Baton Rouge  
**Sampling Date:** 6/27/2017

**Applicant/Owner:** Louisiana Department of Transportation and Development  
**State:** Louisiana  
**Investigator(s):** Taylor Simoneaux, Tim Kimmel  
**Section, Township, Range:** Section 40, Township 7 South, Range 1 East

**Landform (hillslope, terrace, etc.):** Flat  
**Local Relief (concave, convex, none):** None  
**Slope:** 0-1%

**Soil Map Unit Name:**  
**Remarks:**

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Wetland Hydrology Indicators</th>
<th>Secondary Indicators (Need 2):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Stained Leaves (B9)</td>
<td>No Silver Soil Cracked (B6)</td>
</tr>
<tr>
<td>No</td>
<td>No Sparsely Veg Concave Surface (B8)</td>
</tr>
<tr>
<td>No</td>
<td>No Moss Trim Lines (B16)</td>
</tr>
<tr>
<td>No</td>
<td>No Dry-Season Water Table (C2)</td>
</tr>
<tr>
<td>No</td>
<td>No Clayfish Burrows (C8)</td>
</tr>
<tr>
<td>No</td>
<td>No Saturation on Aerial Imagery (C9)</td>
</tr>
<tr>
<td>No</td>
<td>No Geomorphic Position (D2)</td>
</tr>
<tr>
<td>No</td>
<td>No Shallow Aquitard (D3)</td>
</tr>
<tr>
<td>No</td>
<td>No FAC-Neutral Test (D5)</td>
</tr>
<tr>
<td>No</td>
<td>No Sphagnum Moss (D6) (LRR T, U)</td>
</tr>
</tbody>
</table>

**Field Observations:**

<table>
<thead>
<tr>
<th>Surface Water Present?</th>
<th>None Depth (inches):</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water table Present?</td>
<td>None Depth (inches):</td>
<td>N/A</td>
</tr>
<tr>
<td>Saturation Present?</td>
<td>None Depth (inches):</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Remarks:**

**SOIL**

<table>
<thead>
<tr>
<th>Depth Inches</th>
<th>Color</th>
<th>Matrix</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-16</td>
<td>10YR 4/3</td>
<td>100</td>
<td>Polyvalue Below Surface (S8) (LRR S,T,U)</td>
<td>silts loam</td>
</tr>
</tbody>
</table>

**Type:** C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains  
**Location:** PL=Pore Lining, M=Matrix

**Hydric Soil Indicators:**

<table>
<thead>
<tr>
<th>No</th>
<th>Hydric Soil Present?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Indicators for Problematic Soils:**

<table>
<thead>
<tr>
<th>No</th>
<th>1cm Muck (A9) (LRR P,T)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Restrictive Layer (if observed):**

<table>
<thead>
<tr>
<th>Type:</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth Inches</td>
<td>None</td>
</tr>
</tbody>
</table>

**Remarks:**

**SUMMARY OF FINDINGS**

- **Hydrophytic Vegetation Present?** Yes  
- **Is the Sampled Area within a Wetland?** No

---

040-012-001-035NG WDR DF

PROVIDENCE
<table>
<thead>
<tr>
<th>Tree Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ulmus americana</td>
<td>20</td>
<td>Yes</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>Celtis tenuifolia</td>
<td>20</td>
<td>Yes</td>
<td>FACW</td>
<td></td>
</tr>
<tr>
<td>Quercus nigra</td>
<td>10</td>
<td>No</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>Typha inodora</td>
<td>10</td>
<td>No</td>
<td>FACU</td>
<td></td>
</tr>
<tr>
<td>Typha latiflora</td>
<td>10</td>
<td>No</td>
<td>FACU</td>
<td></td>
</tr>
</tbody>
</table>

Dominance Test Worksheet:

- Number of Dominant Species That Are OBL, FACW, or FAC: 4
- Total Number of Dominant Species Across All Strata: 5
- Percent of Dominant Species That Are OBL, FACW, or FAC: 80.00%

Prevalence Index Worksheet:

- Prevalence Index is ≤3.0: Problematic Hydrophytic Veg: No
- Prevalence Index is ≤3.0: N/A
- Prevalence Index is ≤3.0: Yes

**Definitions of Vegetation Strata:**

- **Tree** - Woody plants, excluding woody vines, approximately 20' or more in height and 3' or larger in DBH.
- **Sapling** - Woody plants, excluding woody vines, approximately 20' or more in height and less than 3' in DBH.
- **Shrub** - Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody Vine** - All woody vines, regardless of height.

Hydrophytic Vegetation Indicators:

- Rapid Test for Hydrophytic Veg:
  - Dominance Test > 50%: Yes
  - Prevalence Index is ≤3.0: N/A
  - Problematic Hydrophytic Veg: No

**Remarks:**

- Paspalum notatum 50/20 Threshold
- Toxicodendron radicans 50/20 Threshold
- Liriodendron tulipifera Sapling
- Cynodon dactylon Sapling
- Ligustrum sinense Sapling
- Ulmus americana Sapling
- Celtis tenuifolia Sapling
- Quercus nigra Sapling
- Triosteum dactylon Sapling
- Paspalum notatum Sapling

Hydrophytic Vegetation Present?: Yes
WETLAND DETERMINATION DATA FORM - ATLANTIC AND GULF COASTAL PLAIN REGION

Project/Site: I-10 LA 415 to Essen Lane on I-10 and I-12
Parish: East Baton Rouge
Sampling Date: 6/27/2017
Applicant/Owner: Louisiana Department of Transportation and Development
State: Louisiana
Sampling Point: 22
Investigator(s): Taylor Simoneaux, Tim Kimmel
Section, Township, Range: Section 41, Township 7 South, Range 1 East
Landform (hillslope, terrace, etc.): Flat
Local Relief (concave, convex, none): None
Slope: 0-1%

Deerford-Verdun complex, 0 to 2 percent slopes

Are climatic / hydrologic conditions on the site typical for this time of year? Yes

Are Vegetation, Soil, or Hydrology significantly disturbed? No

Are Vegetation, Soil, or Hydrology naturally problematic? No

Are climatic / hydrologic conditions on the site typical for this time of year? Yes

Are Vegetation, Soil, or Hydrology significantly disturbed? No

Are Vegetation, Soil, or Hydrology naturally problematic? No

Is the Sampled Area within a Wetland? Yes

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes

Hydric Soil Present? Yes

Wetland Hydrology Present? Yes

Remarks:

HYDROLOGY

Wetland Hydrology Indicators

Primary Indicators (Need 1):
- No Surface Water (A1)
- No High Water Table (A2)
- Yes Saturation (A3)
- No Water Marks (B1)
- No Sediment Deposits (B2)
- Yes Drift Deposits (B3)
- No Algal Mat or Crust (B4)
- No Iron Deposits (B5)
- No Inundation on Aerial Imagery (B7)

Secondary Indicators (Need 2):
- No Surface Soil Cracked (B6)
- No Aquatic Fauna (B13)
- No Matt Deposits (B15) (LRR U)
- No Hydrogen Sulfide Odor (C1)
- No Oxidized Root Channels (C3)
- No Presence of Reduced Iron (C4)
- No Recent Reduction in Tilled Soils (O6)
- No Thin Muck Surface (C7)
- No Other (Explain in Remarks)

Field Observations:
- Surface Water Present? None
- Water table Present? None
- Saturation Present? Yes

Remarks:

SOIL

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Matrix</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-12</td>
<td>10YR 4/2</td>
<td>85</td>
</tr>
<tr>
<td>12-16</td>
<td>10YR 3/2</td>
<td>100</td>
</tr>
</tbody>
</table>

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains

Hydric Soil Indicators:
- No Hazid (A1)
- No Histic Epipedon (A2)
- No Black Histic (A3)
- No Hydrogen Sulfide (A4)
- No Stratified Layers (A5)
- No Organic Bodies (A6) (LRR P,T,U)
- No Scm Mucky Mineral (A7) (LRR P,T,U)
- No Muck Presence (A8) (LRR U)
- No 1cm Muck (A9) (LRR P,T)
- No Depleted Below Dark Surface (A11)
- No Thick Dark Surface (A12)
- No Coast Prairie Redox (A16) (MLRA 150A)
- No Sandy Gleyed Matrix (S4)
- No Sandy Redox (S5)
- No Storm Deposited Matrix (S9)

Restrictive Layer (if observed):
- Type: None
- Depth inches: None

Hydric Soil Present? Yes

Remarks:

Hydric Soil Indicators:
- No Polyvalue Below Surface (S8) (LRR S,T,U)
- No Thin Dark Surface (S9) (LRR S,T,U)
- No Loamy Mucky Mineral (F1) (LRR O)
- No Loamy Gleyed Matrix (F2)
- No Depressed Matrix (F3)
- No Redox Dark Surface (F6)
- No Depressed Dark Surface (F7)
- No Redox Depressions (F8)
- No 1cm Muck (A9) (LRR O)
- No Depleted Ochric (F11) (MLRA 151)
- No Iron-Manganese Masses (F12) (LRR O,P,T)
- No Umbrie Surface (F13) (LRR P, T, U)
- No Delta Ochric (F17) (MLRA 151)
- No Reduced Vertic (F18) (MLRA 150A, 150B)
- No Piedmont Floodplain Soils (F19) (MLRA 150A, 150B)
- No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

Indicators for Problematic Soils:
- No 2cm Muck (A10) (LRR S)
- No Reduced Vertic (F18) (outside MLRA 150A,B)
- No Piedmont Floodplain Soils (F19) (MLRA 150P,S,T)
- No Anomalous Bright Loamy Soils (F20) (MLRA 153B)
- No Red Parent Material (TF2)
- No Very Shallow Dark Surface (TF12)
- No Other (Explain)

SUMMARY OF FINDINGS

Hydrophytic Vegetation Present? Yes

Hydric Soil Present? Yes

Wetland Hydrology Present? Yes

Remarks:

Hydric Soil Indicators:
- No Polyvalue Below Surface (S8) (LRR S,T,U)
- No Thin Dark Surface (S9) (LRR S,T,U)
- No Loamy Mucky Mineral (F1) (LRR O)
- No Loamy Gleyed Matrix (F2)
- No Depressed Matrix (F3)
- No Redox Dark Surface (F6)
- No Depressed Dark Surface (F7)
- No Redox Depressions (F8)
- No 1cm Muck (A9) (LRR O)
- No Depleted Ochric (F11) (MLRA 151)
- No Iron-Manganese Masses (F12) (LRR O,P,T)
- No Umbrie Surface (F13) (LRR P, T, U)
- No Delta Ochric (F17) (MLRA 151)
- No Reduced Vertic (F18) (MLRA 150A, 150B)
- No Piedmont Floodplain Soils (F19) (MLRA 150A, 150B)
- No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

Indicators for Problematic Soils:
- No 2cm Muck (A10) (LRR S)
- No Reduced Vertic (F18) (outside MLRA 150A,B)
- No Piedmont Floodplain Soils (F19) (MLRA 150P,S,T)
- No Anomalous Bright Loamy Soils (F20) (MLRA 153B)
- No Red Parent Material (TF2)
- No Very Shallow Dark Surface (TF12)
- No Other (Explain)
<table>
<thead>
<tr>
<th>Stratum</th>
<th>Plot Size: 30'</th>
<th>Absolute % Cover</th>
<th>Dominant Species</th>
<th>Indicator Status</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tree Stratum</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ulmus americana</td>
<td>20</td>
<td>Yes</td>
<td>FAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Celtis occidentalis</td>
<td>20</td>
<td>Yes</td>
<td>FACW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quercus nigra</td>
<td>10</td>
<td>No</td>
<td>FAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triaclis sebrellae</td>
<td>10</td>
<td>No</td>
<td>FACU</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liriodendron tulipifera</td>
<td>10</td>
<td>No</td>
<td>FAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sapling Stratum</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shrub Stratum</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ligustrum sinense</td>
<td>30</td>
<td>Yes</td>
<td>FAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Herb Stratum</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sabal minor</td>
<td>88</td>
<td>Yes</td>
<td>FACW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rubus Invialis</td>
<td>10</td>
<td>No</td>
<td>FACU</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Woody Vine Stratum</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxicodendron radicans</td>
<td>10</td>
<td>Yes</td>
<td>FAC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Prevalence Index Worksheet:**

- Total Cover = 70
- 50/20 Threshold: OBL x1=, FACW x2=, FAC x3=, FACU x4=, UPL x5=, A Totals

**Dominance Test Worksheet:**

- (A): Number of Dominant Species That are OBL, FACW, or FAC
- Total Number of Dominant Species Across All Strata: 5
- Percent of Dominant Species That Are OBL, FACW, or FAC (AB): 100.00%

**Definitions of Vegetation Strata:**

- **Tree** -Woody plants, excluding woody vines, approximately 20' or more in height and 3' or larger in DBH.
- **Sapling** -Woody plants, excluding woody vines, approximately 20' or more in height and less than 3' in DBH.
- **Shrub** -Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb** - All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody vine** - All woody vines, regardless of height.

**Remarks:**

- Rapid Test for Hydrophytic Veg:
  - Dominance Test > 50%: Yes
  - Prevalence Index is ≤3.0: N/A
  - Problematic Hydrophytic Veg: No

**Hydrophytic Vegetation Indicators:**

- Prevalence Index (B/A):
- Prevalence Index Worksheet:
  - Total % Cover of: Multiply
    - OBL x1=
    - FACW x2=
    - FAC x3=
    - FACU x4=
    - UPL x5=
  - A Totals
  - B

- Prevalence Index is ≤3.0: Problematic Hydrophytic Veg:
  - Yes
  - No

**Hydrophytic Vegetation Present?**

- Yes
**SUMMARY OF FINDINGS**

**Wetland Hydrology Present?** Yes  
**Is the Sampled Area within a Wetland?** Yes

### HYDROLOGY

#### Wetland Hydrology Indicators

<table>
<thead>
<tr>
<th>Primary Indicators</th>
<th>Secondary Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Field Observations:**

- **Surface Water Present?** Yes  
  Depth (inches): 2
- **Saturation Present?** Yes  
  Depth (inches): 0-16

**Remarks:**

**SOIL**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Matrix</th>
<th>Color</th>
<th>Redox Features</th>
<th>Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6</td>
<td>10YR 3/1</td>
<td>100</td>
<td>silt loam</td>
<td></td>
</tr>
<tr>
<td>6-16</td>
<td>10YR 5/1</td>
<td>70</td>
<td>silt loam</td>
<td></td>
</tr>
</tbody>
</table>

### Hydric Soil Indicators:

- No Polyvalue Below Surface (S8) (LRR S,T,U)
- No Thin Dark Surface (S9) (LRR S,T,U)
- No Loamy Mucky Mineral (F3) (LRR O)
- No Loamy Gleyed Matrix (F2)
- No Depleted Matrix (F3)
- No Redox Dark Surface (F6)
- No Depleted Dark Surface (F7)
- No Muck Presence (A8) (LRR U)
- No Redox Depression (F8)
- No Depleted below Dark Surface (A11)
- No Depleted Ochric (F11) (MLRA 151)
- No Iron-Manganese Masses (F12) (LRR O,P,T)
- No Umbric Surface (F13) (LRR P, T, U)
- No Delta Ochric (F17) (MLRA 151)
- No Reduced Vertic (F18) (MLRA 150A, 150B)
- No Piedmont Floodplain Soils (F19) (MLRA 150A, 150B)
- No Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

**Restrictive Layer (if observed):**

- **Type:** None  
  **Hydric Soil Present?** Yes

**Remarks:**
**Dominance Test Worksheet:**

<table>
<thead>
<tr>
<th>Species</th>
<th>Cover</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ulmus americana</td>
<td>20</td>
<td>Yes</td>
</tr>
<tr>
<td>Celtis laevigata</td>
<td>20</td>
<td>Yes</td>
</tr>
<tr>
<td>Quercus nigra</td>
<td>10</td>
<td>No</td>
</tr>
<tr>
<td>Triadica sebiera</td>
<td>10</td>
<td>No</td>
</tr>
<tr>
<td>Ligustrum lucidum sempervirens</td>
<td>10</td>
<td>No</td>
</tr>
</tbody>
</table>

\[(A):\]

\[20\text{ Yes FAC 6}\]
\[10\text{ No FAC 6}\]
\[10\text{ No FACU}\]

\[(A/B):\]

\[100.00\%\]

**Prevalence Index Worksheet:**

<table>
<thead>
<tr>
<th>Total Cover</th>
<th>Multiply</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td></td>
</tr>
<tr>
<td>50/20</td>
<td></td>
</tr>
<tr>
<td>50% of Total Cover</td>
<td>35</td>
</tr>
<tr>
<td>20% of Total Cover</td>
<td>14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Species</th>
<th>Cover</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FACW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FACU</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UPL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\[A\text{ Totals B}\]

**Hydrophytic Vegetation Indicators:**

- **Rapid Test for Hydrophytic Veg:**
  - Yes
  - N/A

- **Problematic Hydrophytic Veg:**
  - No

Definitions of Vegetation Strata:

- **Tree:** Woody plants, excluding woody vines, approximately 20' or more in height and 3' or larger in DBH.
- **Sapling:** Woody plants, excluding woody vines, approximately 20' or more in height and less than 3' in DBH.
- **Shrub:** Woody plants, excluding woody vines, approximately 3-20' in height.
- **Herb:** All herbaceous plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3' in height.
- **Woody Vine:** All woody vines, regardless of height.

**Remarks:**

- \[Hydrophytic Vegetation Present?\] Yes