

Exhibit EE. Girouard Site Wetlands Delineation Report



Routine Wetland Delineation Report

Girouard Site Wetlands Delineation Report

Lafayette Parish, LA

February 2021

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1.0 INTRODUCTION

A routine wetland delineation was conducted by Blue Ox Environmental Planning Services, LLC on January 11th, 2021 at the undeveloped cleared tract, in Broussard, LA (Site). The purpose of the wetland delineation was to determine the presence/absence of wetlands at the Site. Based on the data collected, it is Blue Ox's professional opinion that no jurisdictional wetlands or non-wetland waters exist on the Site.

The Site is located in Sections 45 & 96, T10S-E05E. Geographically, the Site is located 1 mile east from Broussard, Louisiana in Lafayette Parish. The location of the Site is illustrated on the maps in **Appendix C**. The Site is situated in undeveloped cleared tract. The Site is currently being used for livestock grazing.

2.0 METHODOLOGY

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

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

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

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

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

This routine wetland delineation is a Level 2 Delineation. The delineators evaluated the three technical criteria: vegetation, hydrology, and soils in accordance with the 1987 U.S. Army Corps of Engineers (COE) Wetlands Delineation Manual, and the Gulf Coastal Plain Regional Supplement to the 1987 manual. All three criteria must be present in order to be a potentially jurisdictional wetland. The absence of any of these criteria could exclude an area from being a wetland under the jurisdiction of the Corps of Engineers. As per the 1987 U.S. Army Corps of Engineers (COE) Wetlands Delineation Manual, and the Gulf Coastal Plain Regional Supplement to the 1987 manual, the methodology for the delineation of the Site, was to be conducted with transects through the site. The methodology is used for any wetland delineation that is greater than 5 acres in size.

3.0 FINDINGS

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

3.1 Hydrology

3.1.1 General Site Characteristics

The Site exists on a relatively flat and undulating landform. Generally, slopes range from 0-4%. Surface saturation or inundation was observed on referenced infrared images. The site is transected perpendicular to the slope of the Site. There are only 2 Other Waters/Roadside Ditches that are adjacent to the approximate boundaries on the west and southwestern portion of the Site.

3.1.2 Sample Plot Data

Sample Plots did not meet the criteria for the presence of wetland hydrology. The wetland hydrology indicators, remarks, and determinations can be reviewed in detail on the data sheets located in **Appendix A**.

3.2 Vegetation

3.2.1 General Site Characteristics

The site consisted of herbaceous grassland community. Since the Site is currently under agriculture use, the vegetation was primarily comprised of grazing species, such as rye grass.

3.2.2 Sample Plot Data

None of the sample plots met the criteria for presence of wetland vegetation. The vegetation for all Sample Plots is noted in **Appendix A**. Dominance/Prevalence calculations, vegetation, criteria determination can be referenced in the corresponding data sheets. Photos can be found in **Appendix B**.

3.3 Soils

3.3.1 General Site Characteristics

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

Map Symbol	Soil Name	Hydric Rating
MbC	Memphis silt loam, 1 to 5 percent slopes	0% hydric
MbA	Memphis silt loam, 0 to 1 percent slopes	5% hydric

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

3.3.2 Sample Plot Data

Sample Plots did not meet the criteria for the presence of hydric soil for a wetland. Soil characteristics associated with each plot can be found in the corresponding data sheets located in **Appendix A**.

4.0 SUMMARY AND COMCLUSIONS

4.1 Data Summary

Sample Plots did not meet all three technical criteria of a wetland. The following table illustrates the results of the sample plot data:

Data Plot	Hydrology	Vegetation	Soils
Plot 1	N	N	N
Plot 2	N	N	N
Plot 3	N	N	N
Plot 4	N	N	N

4.2 Conclusion

Based on the data collected, it is Blue Ox's professional opinion that **no** jurisdictional wetlands or non-wetland waters exist on the Site. The Site is illustrated in the maps of **Appendix C** and represented by the wetland determination forms of **Appendix A**.

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

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

5.0 REFERENCES

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

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

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

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

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

6.0 DEFINITIONS

Term	Definition
<i>Aerobic</i>	A situation in which molecular oxygen is a part of the environment.
<i>Anaerobic</i>	A situation in which molecular oxygen is absent (or effectively so) from the environment
<i>Atypical situation</i>	As used herein, this term refers to areas in which one or more parameters (vegetation, soil, and/or hydrology) have been sufficiently altered by recent human activities or natural events to preclude the presence of wetland indicators of the parameter.
<i>Dominance Test</i>	This evaluation test ranks plant species that immediately exceed 50% of the total dominance measure for a vegetation stratum, plus any additional species comprising 20% or more of the total dominance measure for that stratum. As part of the vegetation criteria, species dominance is evaluated using the "50/20 rule."
<i>Growing season</i>	The portion of the year when soil temperatures at 19.7 in. below the soil surface are higher than biologic zero (5 (C) (U.S. Department of Agriculture & Soil Conservation Service 1985). For ease of determination this period can be approximated by the number of frost-free days (U.S Department of the Interior 1970).
<i>Hydric Soils</i>	<p>Hydric soils are defined as soils that are formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, July 13, 1994). Almost all hydric soils exhibit characteristic morphologies that are a result of repeated periods of saturation and/or inundation for more than a few days at a time. Saturation and inundation causes a depletion of oxygen in the soil when combined with anaerobic microbial activity in the soil. This anaerobiosis process results in characteristic morphologies such as the reduction, translocation, and/or the accumulation of iron. This process forms features in the soil that are called redoximorphic features that are particularly useful for identifying hydric soils.</p> <p>The soil investigation criterion requires the use of a soil probe or a pit excavated to a 16-inch depth in order to investigate for hydric indicators. These indicators typically include, but are not limited to:</p> <ul style="list-style-type: none"> • gleyed or low-chroma colors (redoximorphic features) • mottles (redoximorphic features) • listed on the local hydric soils list • listed on the national hydric soils list • concretions (redoximorphic features).
<i>Hydrophytic Species</i>	Hydrophytic species, due to morphological, physiological, and/or reproductive adaptation(s), have the ability to grow, effectively compete, reproduce, and/or persist in anaerobic soil conditions.

Term	Definition																		
<i>Hydrophytic Vegetation</i>	<p>In order for the vegetation to be considered hydrophytic (wet), the prevalent vegetation must consist of <i>macrophytes</i> that are typically adapted to areas having hydrologic and soil conditions unique to wetlands (e.g. must be <i>hydrophytic species</i>). Prevalent vegetation is characterized by the dominant species comprising the plant community or communities. Dominant plant species are those that contribute more to the character of a plant community than other species present, as estimated or measured in terms of some ecological parameter or parameters. The two most commonly used estimates of dominance are basal area (trees) and percent areal cover (herbs). During a routine wetland delineation, the rapid test, <i>dominance test</i>, and <i>prevalence index</i> are predominantly used to determine if hydrophytic vegetation is present at a sample plot.</p>																		
<i>Macrophytes</i>	<p>Macrophytes are any plant material that can be seen without the aid of magnification.</p>																		
<i>Plant Indicator Status Categories</i>	<p>Categories originally developed and defined by the USFWS National Wetlands Inventory and subsequently modified by the National Plant List Panel. The three facultative categories are subdivided by (+) and (-) modifiers.</p> <table border="1" data-bbox="399 762 1484 1383"> <thead> <tr> <th data-bbox="399 762 721 829">Indicator Category</th> <th data-bbox="721 762 854 829">Indicator Symbol</th> <th data-bbox="854 762 1484 829">Definition</th> </tr> </thead> <tbody> <tr> <td data-bbox="399 829 721 957"><i>Obligate Wetland Plants</i></td> <td data-bbox="721 829 854 957">(OBL)</td> <td data-bbox="854 829 1484 957">Plants that occur almost always (estimated probability >99%) in wetlands under natural conditions, but which may also occur rarely (estimated probability <1%) in non-wetlands.</td> </tr> <tr> <td data-bbox="399 957 721 1058"><i>Facultative Wetland Plants</i></td> <td data-bbox="721 957 854 1058">(FACW)</td> <td data-bbox="854 957 1484 1058">Plants that occur usually (estimated probability >67% to 99%) in wetlands, but also occur (estimated probability 1% to 33%) in non-wetlands.</td> </tr> <tr> <td data-bbox="399 1058 721 1159"><i>Facultative Plants</i></td> <td data-bbox="721 1058 854 1159">(FAC)</td> <td data-bbox="854 1058 1484 1159">Plants with a similar likelihood (estimated probability 33% to 67%) of occurring in both wetlands and non-wetlands.</td> </tr> <tr> <td data-bbox="399 1159 721 1260"><i>Facultative Upland Plants</i></td> <td data-bbox="721 1159 854 1260">(FACU)</td> <td data-bbox="854 1159 1484 1260">Plants that occur sometimes (estimated probability 1% to <33%) in wetlands, but occur more often (estimated probability >67% to 99%) in non-wetlands.</td> </tr> <tr> <td data-bbox="399 1260 721 1383"><i>Obligate Upland Plants</i></td> <td data-bbox="721 1260 854 1383">(UPL)</td> <td data-bbox="854 1260 1484 1383">Plants that occur rarely (estimated probability <1%) in wetlands, but occur almost always (estimate probability >99%) in non-wetlands under natural conditions.</td> </tr> </tbody> </table>	Indicator Category	Indicator Symbol	Definition	<i>Obligate Wetland Plants</i>	(OBL)	Plants that occur almost always (estimated probability >99%) in wetlands under natural conditions, but which may also occur rarely (estimated probability <1%) in non-wetlands.	<i>Facultative Wetland Plants</i>	(FACW)	Plants that occur usually (estimated probability >67% to 99%) in wetlands, but also occur (estimated probability 1% to 33%) in non-wetlands.	<i>Facultative Plants</i>	(FAC)	Plants with a similar likelihood (estimated probability 33% to 67%) of occurring in both wetlands and non-wetlands.	<i>Facultative Upland Plants</i>	(FACU)	Plants that occur sometimes (estimated probability 1% to <33%) in wetlands, but occur more often (estimated probability >67% to 99%) in non-wetlands.	<i>Obligate Upland Plants</i>	(UPL)	Plants that occur rarely (estimated probability <1%) in wetlands, but occur almost always (estimate probability >99%) in non-wetlands under natural conditions.
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<i>Prevalence Index</i>	<p>The prevalence index is a wetland indicator which takes into account all plant species and calculates a weighted average by assigning each indicator status category a numeric code (OBL = 1, FACW = 2, FAC = 3, FACU = 4, and UPL = 5). Plant species are also weighted by their abundance. It is a more comprehensive analysis of the hydrophytic status of a community than one based on a few dominant species. The prevalence index ranges from 1 to 5, and a prevalence index of 3.0 or less indicates that hydrophytic vegetation is present. If, using the dominance test, the recorded plant species does not exceed 50% of the total dominance, the prevalence index shall be used to determine if hydrophytic vegetation is present.</p>																		
<i>Rapid Test for hydrophytic vegetation</i>	<p>The Rapid Test is intended as a quick confirmation in obvious cases that a site has hydrophytic vegetation without the need for intensive sampling. When, based on visual assessment, all dominant species across all strata are rated OBL, FACW, or a combination of these two categories, the rapid test confirms hydrophytic vegetation is present at the site.</p>																		

Term	Definition
<i>Routine wetland determination</i>	A type of wetland determination in which office data and/or relatively simple, rapidly applied onsite methods are employed to determine whether or not an area is a wetland. Most wetland determinations are of this type, which usually does not require collection of quantitative data.
<i>Sample plot</i>	An area of land used for measuring or observing existing conditions
<i>Transect</i>	As used herein, a line on the ground along which observations are made at some interval
<i>Typically Adapted</i>	The term "typically adapted" refers to a species being normally or commonly suited to a given set of environmental conditions, due to some morphological, physiological, or reproductive adaptation. Species that have a wetland indicator status of OBL, FACW, or FAC are considered to be typically adapted for life in anaerobic soil conditions.
<i>Under normal circumstances</i>	As used in the definition of wetlands, this term refers to situations in which the vegetation has not been substantially altered by man's activities.
<i>Upland</i>	As used herein, any area that does not qualify as a wetland because the associated hydrologic regime is not sufficiently wet to elicit development of vegetation, soils, and/or hydrologic characteristics associated with wetlands. Such areas occurring within floodplains are more appropriately termed non-wetlands.
<i>Wetlands</i>	<p>The Corps of Engineers and the EPA jointly define wetlands as those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Wetlands have the following general diagnostic environmental characteristics:</p> <ul style="list-style-type: none"> (1) Hydrophytic Vegetation (2) Hydric Soils (3) Wetland Hydrology <p>Except in unique situations defined in the 1987 Wetland Delineation Manual and appropriate Regional Supplement, evidence of a minimum of one positive wetland indicator from each parameter (hydrology, soil, and vegetation) must be found in order to make a positive wetland determination.</p>
<i>Wetland boundary</i>	The point on the ground at which a shift from wetlands to non-wetlands or aquatic habitats occurs. These boundaries usually follow contours.
<i>Wetland determination</i>	The process or procedure by which an area is adjudged a wetland or non-wetland by the US Army Corps of Engineers.

Term	Definition				
<p><i>Wetland Hydrology</i></p>	<p>As defined by the 1987 COE Manual, the term “wetland hydrology” encompasses all hydrologic characteristics of areas that are periodically inundated (at mean water depths less than or equal to 6.6 feet) or have soils saturated to the surface at some time during the growing season of prevalent vegetation. Evident characteristics of wetland hydrology are generally found in areas where the presence of water has an overriding influence on characteristics of vegetation and soils due to anaerobic and reducing conditions.</p> <p>Wetland hydrology indicators provide evidence that the Site currently has a wetland hydrologic regime. They may not provide an abundance of information about long-term wetness conditions on a given site; however, when coupled with the presence of hydrophytic vegetation and hydric soils, hydrology indicators provide evidence of long-term as well as short-term wetland conditions. In order to meet the hydrology criteria of a wetland, a sample location must meet one primary indicator or two secondary indicators.</p> <table border="1" data-bbox="402 695 1484 1333"> <thead> <tr> <th data-bbox="402 695 967 730"><i>Primary Indicators include:</i></th> <th data-bbox="972 695 1484 730"><i>Secondary Indicators include:</i></th> </tr> </thead> <tbody> <tr> <td data-bbox="402 730 967 1333"> <ul style="list-style-type: none"> • Surface Water (A1) • High Water Table (A2) • Saturation (A3) • Water Marks (B1) • Sediment Deposits (B2) • Drift Deposits (B3) • Algal Mat or Crust (B4) • Iron Deposits (B5) • Inundation visible on Aerial Imagery (B7) • Water-Stained Leaves (B9) • Aquatic Fauna (B13) • Marl Deposits (B15) (LRR U) • Hydrogen Sulfide Odor (C1) • Oxidized Rhizospheres on Living Roots (C3) • Presence of Reduced Iron (C4) • Recent Iron Reduction in Tilled Soils (C6) • Thin Muck Surface (C7) • Other (Explain in Remarks) </td> <td data-bbox="972 730 1484 1333"> <ul style="list-style-type: none"> • Surface Soil Cracks (B6) • Sparsely Vegetated Concave Surface (B8) • Drainage Patterns (B10) • Moss Trim Lines (B16) • Dry-Season Water Table (C2) • Crayfish Burrows (C8) • Saturation Visible on Aerial Imagery (C9) • Geomorphic Position (D2) • Shallow Aquitard (D3) • FAC-Neutral Test (D5) </td> </tr> </tbody> </table>	<i>Primary Indicators include:</i>	<i>Secondary Indicators include:</i>	<ul style="list-style-type: none"> • Surface Water (A1) • High Water Table (A2) • Saturation (A3) • Water Marks (B1) • Sediment Deposits (B2) • Drift Deposits (B3) • Algal Mat or Crust (B4) • Iron Deposits (B5) • Inundation visible on Aerial Imagery (B7) • Water-Stained Leaves (B9) • Aquatic Fauna (B13) • Marl Deposits (B15) (LRR U) • Hydrogen Sulfide Odor (C1) • Oxidized Rhizospheres on Living Roots (C3) • Presence of Reduced Iron (C4) • Recent Iron Reduction in Tilled Soils (C6) • Thin Muck Surface (C7) • Other (Explain in Remarks) 	<ul style="list-style-type: none"> • Surface Soil Cracks (B6) • Sparsely Vegetated Concave Surface (B8) • Drainage Patterns (B10) • Moss Trim Lines (B16) • Dry-Season Water Table (C2) • Crayfish Burrows (C8) • Saturation Visible on Aerial Imagery (C9) • Geomorphic Position (D2) • Shallow Aquitard (D3) • FAC-Neutral Test (D5)
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APPENDIX A – DATA SHEETS

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Girouard Site **City/County:** Broussard **Sampling Date:** 11-Jan-21
Applicant/Owner: One Acadiana **State:** LA **Sampling Point:** 1
Investigator(s): Brandon Meville & Ryne Menard **Section, Township, Range:** S 96 T 10S R 05E
Landform (hillslope, terrace, etc.): Undulating **Local relief (concave, convex, none):** concave **Slope:** 2.0 % / 1.1 °
Subregion (LRR or MLRA): LRR O **Lat.:** 30° 8' 59.046" N **Long.:** 91° 56' 38.586" W **Datum:** NAD83
Soil Map Unit Name: MbA-Memphis silt loam, 0 to 1 percent slopes, 5% Hydric **NWI classification:** _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation , **Soil** , **or Hydrology** **significantly disturbed?** **Are "Normal Circumstances" present?** Yes No
Are Vegetation , **Soil** , **or Hydrology** **naturally problematic?** (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (minimum of 2 required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) (LRR U) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Water Table Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Saturation Present? (includes capillary fringe) Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____		Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

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

Sampling Point: 1

Tree Stratum	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status
1. _____	0	<input type="checkbox"/> 0.0%	_____
2. _____	0	<input type="checkbox"/> 0.0%	_____
3. _____	0	<input type="checkbox"/> 0.0%	_____
4. _____	0	<input type="checkbox"/> 0.0%	_____
5. _____	0	<input type="checkbox"/> 0.0%	_____
6. _____	0	<input type="checkbox"/> 0.0%	_____
7. _____	0	<input type="checkbox"/> 0.0%	_____
8. _____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>	<u>0</u>	= Total Cover	
Sapling or Sapling/Shrub Stratum (Plot size: _____)			
1. _____	0	<input type="checkbox"/> 0.0%	_____
2. _____	0	<input type="checkbox"/> 0.0%	_____
3. _____	0	<input type="checkbox"/> 0.0%	_____
4. _____	0	<input type="checkbox"/> 0.0%	_____
5. _____	0	<input type="checkbox"/> 0.0%	_____
6. _____	0	<input type="checkbox"/> 0.0%	_____
7. _____	0	<input type="checkbox"/> 0.0%	_____
8. _____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>	<u>0</u>	= Total Cover	
Shrub Stratum (Plot size: _____)			
1. _____	0	<input type="checkbox"/> 0.0%	_____
2. _____	0	<input type="checkbox"/> 0.0%	_____
3. _____	0	<input type="checkbox"/> 0.0%	_____
4. _____	0	<input type="checkbox"/> 0.0%	_____
5. _____	0	<input type="checkbox"/> 0.0%	_____
6. _____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>	<u>0</u>	= Total Cover	
Herb Stratum (Plot size: <u>30'</u>)			
1. <u>Lolium perenne</u>	<u>30</u>	<input checked="" type="checkbox"/> 28.6%	<u>FACU</u>
2. <u>Lamium amplexicaule</u>	<u>25</u>	<input checked="" type="checkbox"/> 23.8%	<u>UPL</u>
3. <u>Rottboellia cochinchinensis</u>	<u>15</u>	<input type="checkbox"/> 14.3%	<u>FACU</u>
4. <u>Sporobolus indicus</u>	<u>15</u>	<input type="checkbox"/> 14.3%	<u>FACU</u>
5. <u>Ranunculus hispidus</u>	<u>10</u>	<input type="checkbox"/> 9.5%	<u>FAC</u>
6. <u>Cynodon dactylon</u>	<u>10</u>	<input type="checkbox"/> 9.5%	<u>FACU</u>
7. _____	0	<input type="checkbox"/> 0.0%	_____
8. _____	0	<input type="checkbox"/> 0.0%	_____
9. _____	0	<input type="checkbox"/> 0.0%	_____
10. _____	0	<input type="checkbox"/> 0.0%	_____
11. _____	0	<input type="checkbox"/> 0.0%	_____
12. _____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>52.5</u> 20% of Total Cover: <u>21</u>	<u>105</u>	= Total Cover	
Woody Vine Stratum (Plot size: _____)			
1. _____	0	<input type="checkbox"/> 0.0%	_____
2. _____	0	<input type="checkbox"/> 0.0%	_____
3. _____	0	<input type="checkbox"/> 0.0%	_____
4. _____	0	<input type="checkbox"/> 0.0%	_____
5. _____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>	<u>0</u>	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of: _____ Multiply by: _____

OBL species 0 x 1 = 0

FACW species 0 x 2 = 0

FAC species 10 x 3 = 30

FACU species 70 x 4 = 280

UPL species 25 x 5 = 125

Column Totals: 105 (A) 435 (B)

Prevalence Index = B/A = 4.143

Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is > 50%

3 - Prevalence Index is ≤3.0¹

Problematic Hydrophytic Vegetation¹ (Explain)

¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definition of Vegetation Strata:

Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1m) tall.

Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine - All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes No

Remarks: (If observed, list morphological adaptations below).

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Girouard Site **City/County:** Broussard **Sampling Date:** 11-Jan-21
Applicant/Owner: One Acadiana **State:** LA **Sampling Point:** 2
Investigator(s): Brandon Meville & Ryne Menard **Section, Township, Range:** S 96 T 10S R 05E
Landform (hillslope, terrace, etc.): Undulating **Local relief (concave, convex, none):** convex **Slope:** 2.0 % / 1.1 °
Subregion (LRR or MLRA): LRR O **Lat.:** 30° 8' 59.073" N **Long.:** 91° 56' 40.866" W **Datum:** _____
Soil Map Unit Name: MbA-Memphis silt loam, 0 to 1 percent slopes, 5% Hydric **NWI classification:** _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation , **Soil** , **or Hydrology** **significantly disturbed?** **Are "Normal Circumstances" present?** Yes No
Are Vegetation , **Soil** , **or Hydrology** **naturally problematic?** (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (minimum of 2 required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) (LRR U) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Water Table Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Saturation Present? (includes capillary fringe) Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____		Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Girouard Site **City/County:** Broussard **Sampling Date:** 11-Jan-21
Applicant/Owner: One Acadiana **State:** LA **Sampling Point:** 3
Investigator(s): Brandon Meville & Ryne Menard **Section, Township, Range:** S 96 T 10S R 05E
Landform (hillslope, terrace, etc.): Undulating **Local relief (concave, convex, none):** convex **Slope:** 2.0 % / 1.1 °
Subregion (LRR or MLRA): LRR O **Lat.:** 30° 8' 57.200" N **Long.:** 91° 56' 44.034" W **Datum:** NAD83
Soil Map Unit Name: MbA-Memphis silt loam, 0 to 1 percent slopes, 5% Hydric **NWI classification:** _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation , **Soil** , **or Hydrology** **significantly disturbed?** **Are "Normal Circumstances" present?** Yes No
Are Vegetation , **Soil** , **or Hydrology** **naturally problematic?** (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)		
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) (LRR U) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Water Table Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Saturation Present? (includes capillary fringe) Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____		Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

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

Sampling Point: 3

Tree Stratum	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status
1. _____	0	<input type="checkbox"/> 0.0%	_____
2. _____	0	<input type="checkbox"/> 0.0%	_____
3. _____	0	<input type="checkbox"/> 0.0%	_____
4. _____	0	<input type="checkbox"/> 0.0%	_____
5. _____	0	<input type="checkbox"/> 0.0%	_____
6. _____	0	<input type="checkbox"/> 0.0%	_____
7. _____	0	<input type="checkbox"/> 0.0%	_____
8. _____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>	<u>0</u>	= Total Cover	
Sapling or Sapling/Shrub Stratum (Plot size: _____)			
1. _____	0	<input type="checkbox"/> 0.0%	_____
2. _____	0	<input type="checkbox"/> 0.0%	_____
3. _____	0	<input type="checkbox"/> 0.0%	_____
4. _____	0	<input type="checkbox"/> 0.0%	_____
5. _____	0	<input type="checkbox"/> 0.0%	_____
6. _____	0	<input type="checkbox"/> 0.0%	_____
7. _____	0	<input type="checkbox"/> 0.0%	_____
8. _____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>	<u>0</u>	= Total Cover	
Shrub Stratum (Plot size: _____)			
1. _____	0	<input type="checkbox"/> 0.0%	_____
2. _____	0	<input type="checkbox"/> 0.0%	_____
3. _____	0	<input type="checkbox"/> 0.0%	_____
4. _____	0	<input type="checkbox"/> 0.0%	_____
5. _____	0	<input type="checkbox"/> 0.0%	_____
6. _____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>	<u>0</u>	= Total Cover	
Herb Stratum (Plot size: <u>30'</u>)			
1. <u>Lolium perenne</u>	<u>65</u>	<input checked="" type="checkbox"/> <u>61.9%</u>	<u>FACU</u>
2. <u>Galium aparine</u>	<u>35</u>	<input checked="" type="checkbox"/> <u>33.3%</u>	<u>FACU</u>
3. <u>Ranunculus hispidus</u>	<u>5</u>	<input type="checkbox"/> <u>4.8%</u>	<u>FAC</u>
4. _____		<input type="checkbox"/> 0.0%	_____
5. _____	0	<input type="checkbox"/> 0.0%	_____
6. _____	0	<input type="checkbox"/> 0.0%	_____
7. _____	0	<input type="checkbox"/> 0.0%	_____
8. _____	0	<input type="checkbox"/> 0.0%	_____
9. _____	0	<input type="checkbox"/> 0.0%	_____
10. _____	0	<input type="checkbox"/> 0.0%	_____
11. _____	0	<input type="checkbox"/> 0.0%	_____
12. _____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>52.5</u> 20% of Total Cover: <u>21</u>	<u>105</u>	= Total Cover	
Woody Vine Stratum (Plot size: _____)			
1. _____	0	<input type="checkbox"/> 0.0%	_____
2. _____	0	<input type="checkbox"/> 0.0%	_____
3. _____	0	<input type="checkbox"/> 0.0%	_____
4. _____	0	<input type="checkbox"/> 0.0%	_____
5. _____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>	<u>0</u>	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of: _____ Multiply by: _____

OBL species 0 x 1 = 0

FACW species 0 x 2 = 0

FAC species 5 x 3 = 15

FACU species 100 x 4 = 400

UPL species 0 x 5 = 0

Column Totals: 105 (A) 415 (B)

Prevalence Index = B/A = 3.952

Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is > 50%

3 - Prevalence Index is ≤3.0¹

Problematic Hydrophytic Vegetation¹ (Explain)

¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definition of Vegetation Strata:

Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1m) tall.

Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine - All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes No

Remarks: (If observed, list morphological adaptations below).

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Girouard Site **City/County:** Broussard **Sampling Date:** 11-Jan-21
Applicant/Owner: One Acadiana **State:** LA **Sampling Point:** 4
Investigator(s): Brandon Meville & Ryne Menard **Section, Township, Range:** S 45 T 10S R 05E
Landform (hillslope, terrace, etc.): Undulating **Local relief (concave, convex, none):** concave **Slope:** 3.0 % / 1.7 °
Subregion (LRR or MLRA): LRR O **Lat.:** 30° 8' 53.912" N **Long.:** 91° 56' 49.096" W **Datum:** NAD83
Soil Map Unit Name: MbC-Memphis silt loam, 1 to 5 percent slopes, 0% Hydric **NWI classification:** _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation , **Soil** , **or Hydrology** **significantly disturbed?** **Are "Normal Circumstances" present?** Yes No
Are Vegetation , **Soil** , **or Hydrology** **naturally problematic?** (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (minimum of 2 required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) (LRR U) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Water Table Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Saturation Present? (includes capillary fringe) Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____		Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

APPENDIX B – PHOTOGRAPHS



Photo 1: Sample Plot 1



Photo 2: Sample Plot 1, facing west



Photo 3: Sample Plot 1, facing west



Photo 4: Sample Plot 2



Photo 5: Sample Plot 2, facing west



Photo 6: Sample Plot 2, facing east



Photo 7: Sample Plot 3



Photo 8: Sample Plot 3, facing east



Photo 9: Sample Plot 3, facing west



Photo 10: Sample Plot 4



Photo 11: Sample Plot 4, facing east



Photo 12: Sample Plot 4, facing west

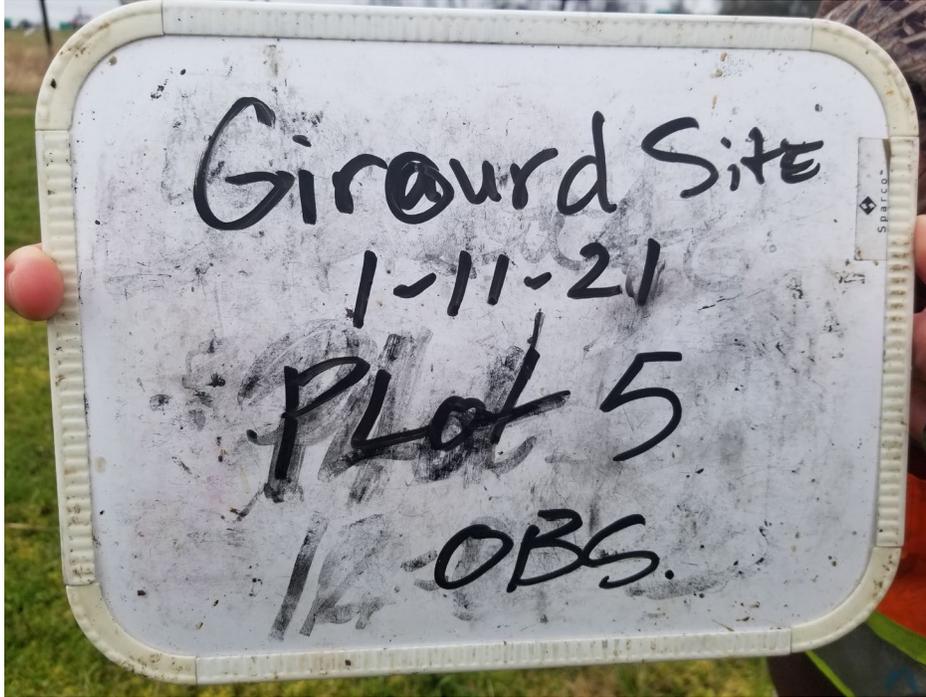


Photo 13: Sample Plot 5- Observation Point



Photo 14: Sample Plot 5, facing east

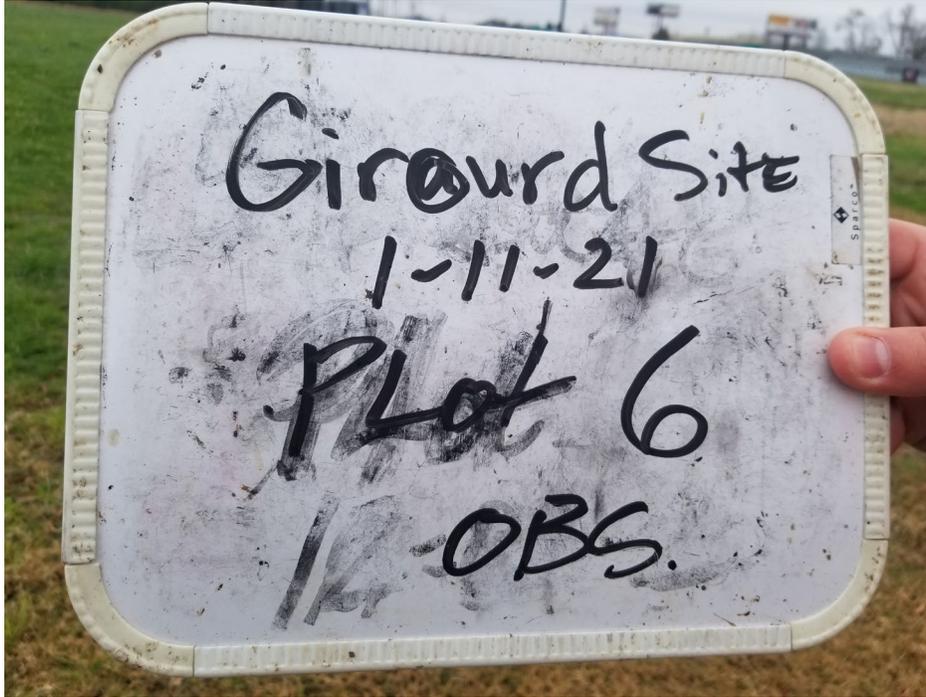


Photo 15: Sample Plot 6

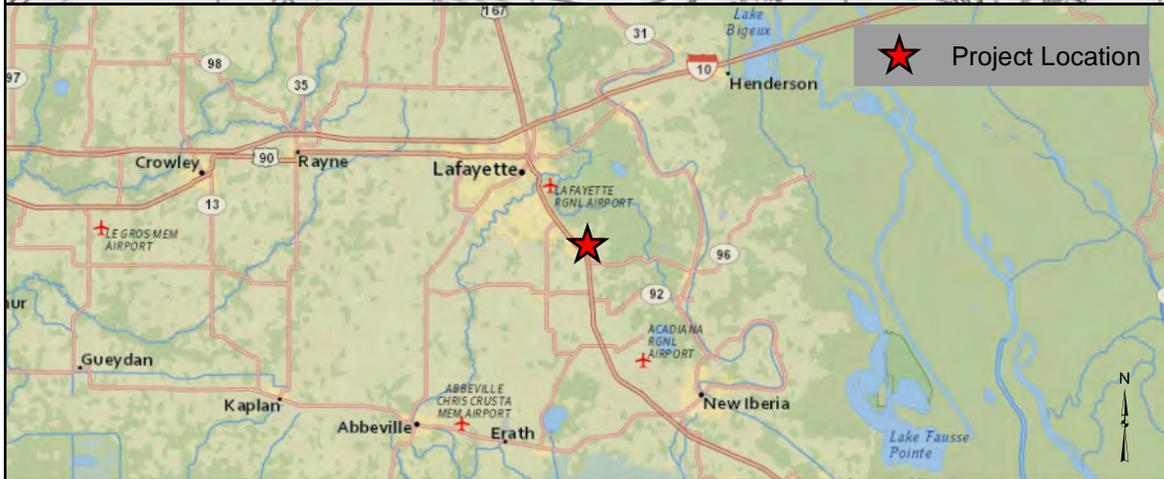
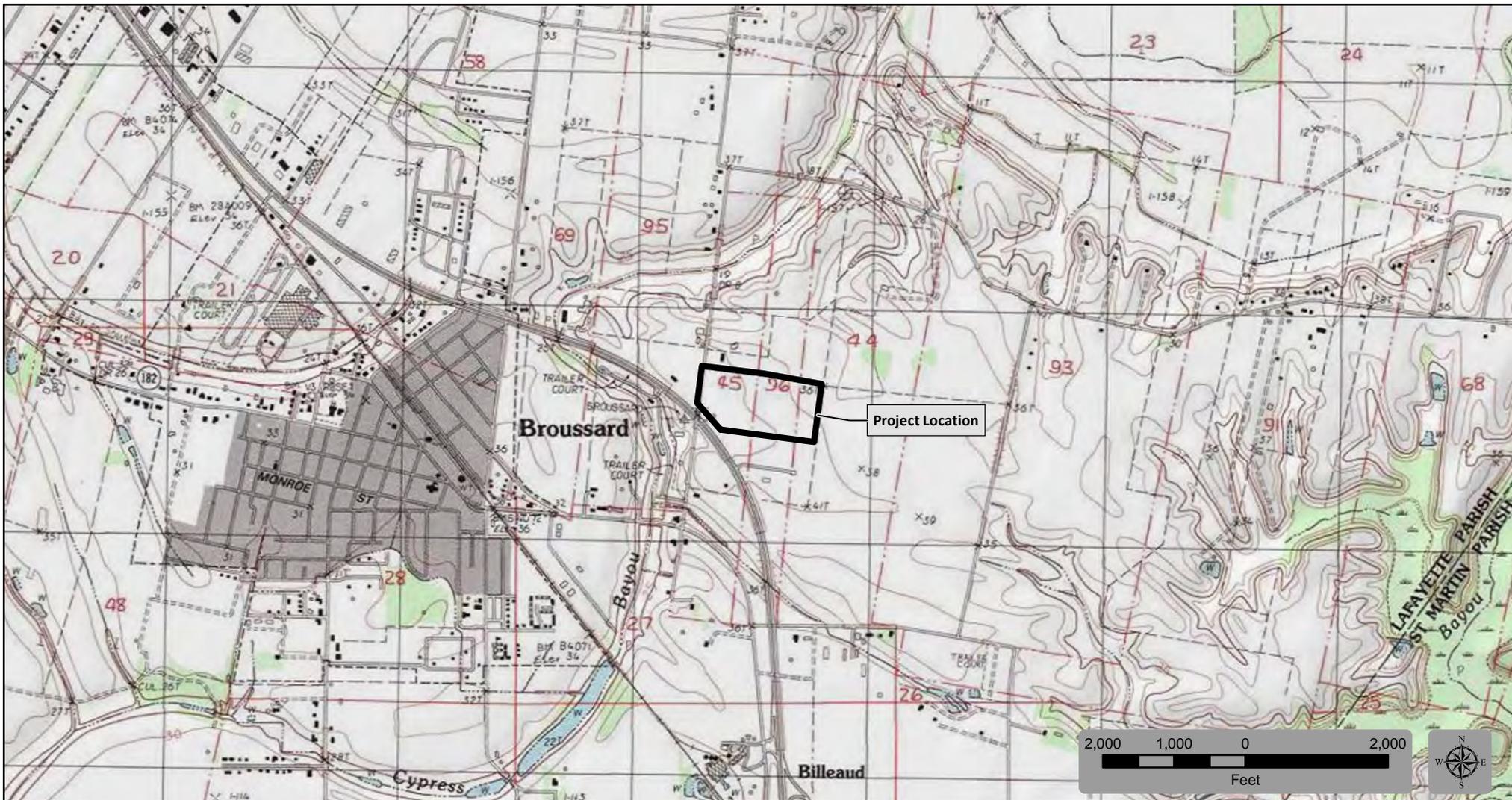


Photo 16: Sample Plot 6, facing east



Photo 17: Sample Plot 6, facing north

APPENDIX C – MAPS



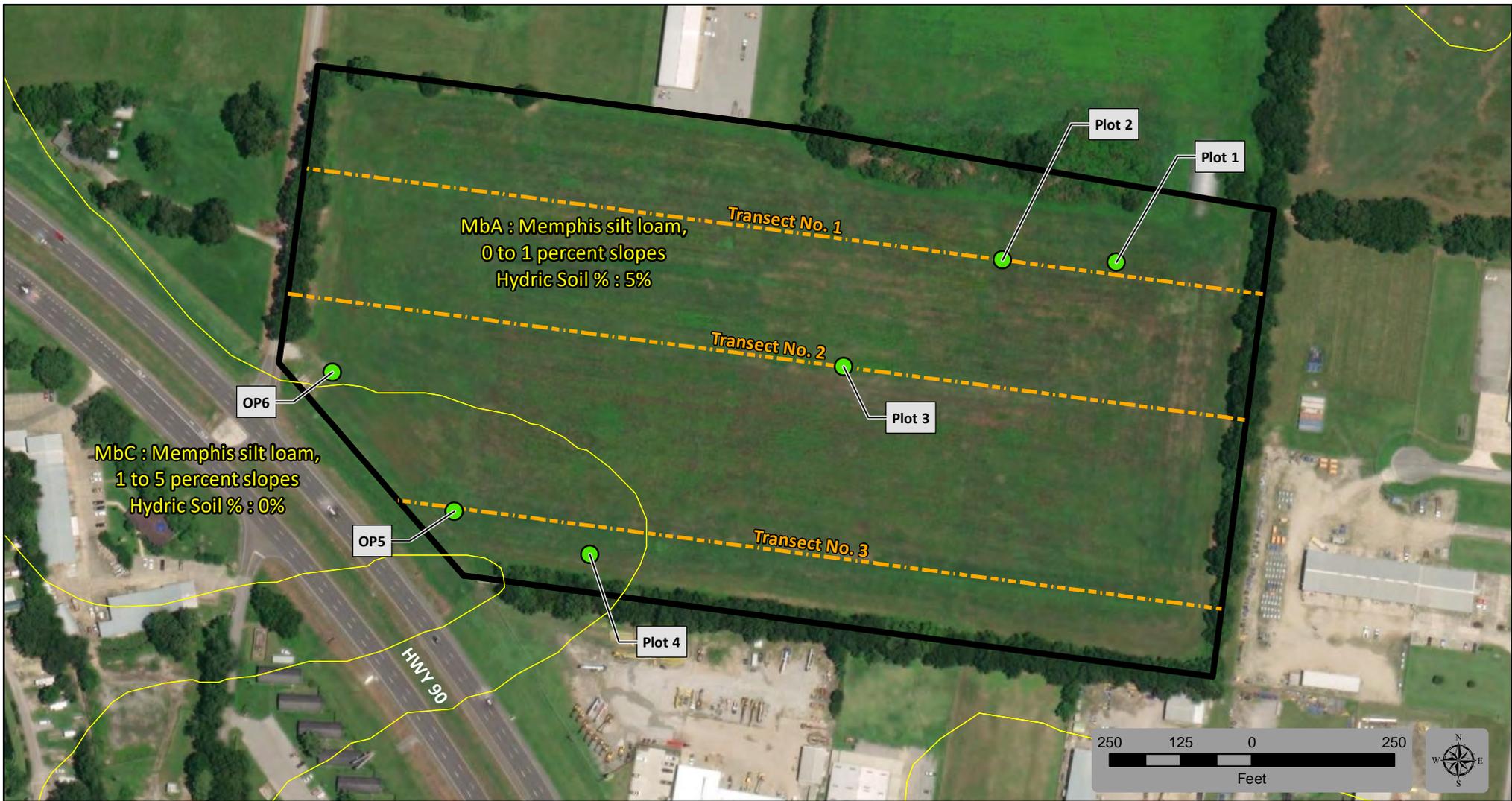
One Acadiana

Girouard Site Wetland Delineation
SEC 44, 45, 96 T10S-E05E
Lafayette Parish, Louisiana

FOR PERMITTING ONLY		Rev: (date:initial)	Created by: KFM
<p style="color: red; font-size: small;">This document is not to be used for construction, bidding, recordation, conveyance or sales.</p>		Date: 01/29/2021	Job # 21001
		Vicinity Map	

Data Sources

1. Background Data: Service Layer Credits: Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community
 Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



No wetlands observed on the site.

Wetland Delineation Summary		
Map Label	Longitude	Latitude
Plot 1	91° 56' 38.586" W	30° 8' 59.046" N
Plot 2	91° 56' 40.866" W	30° 8' 59.073" N
Plot 3	91° 56' 44.034" W	30° 8' 57.200" N
Plot 4	91° 56' 49.096" W	30° 8' 53.912" N
OP5	91° 56' 51.811" W	30° 8' 54.651" N
OP6	91° 56' 54.268" W	30° 8' 57.056" N

-  Wetland Delineation Boundary
-  Wetland Delineation Plot
-  Lafayette Parish Soils

One Acadiana

**Girouard Site Wetland Delineation
SEC 44, 45, 96 T10S-E05E**

Lafayette Parish, Louisiana

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Rev: (date:initial)	Created by:	KFM
	Date:	01/29/2021
	Job #	21001
Aerial and Soil Map		

Data Sources
 1. Background Data: Service Layer Credits: Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community
 Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 2. Aerial Background Date: 2019



No wetlands observed on the site.

 Wetland Delineation Boundary
Louisiana Wetlands - NWI
 Riverine

One Acadiana

**Girouard Site Wetland Delineation
SEC 44, 45, 96 T10S-E05E**

Lafayette Parish, Louisiana

FOR PERMITTING ONLY

Rev: (date:initial)	Created by:	KFM
	Date:	01/29/2021
	Job #	21001
National Wetlands Inventory Map		

Data Sources

1. Background Data: Service Layer Credits: Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
2. Aerial Background Date: 2019
3. NWI Data obtained from US Fish and Wildlife Service (<https://www.fws.gov/wetlands/Data/State-Downloads.html>)