Exhibit CC. Freeland Site Wetlands Delineation Report

Routine Wetland Delineation Report

Prepared for One Acadiana
Freeland Interests, LLC Property
Acadia Parish, Louisiana

August 2015

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BLUE OX ENVIRONMENTAL PLANNING SERVICES, LLC

1.0 INTRODUCTION

A routine wetland delineation was conducted by Blue Ox Environmental Planning Services, LLC on August 6, 2015 at the Freeland Property (Site). The purpose of the wetland delineation was to determine the presence/absence of wetlands. The majority of the property falls within existing and active agriculture fields. The southern-most portion of the property is wooded and abuts Bayou Plaquemine Brule.

The Site is located in Sections 40 and 41, T9S-R1W and Section 01, T10S-R1W. Geographically, the Site is located 2.2 miles west from Crowley, Louisiana in Acadia Parish. The location of the Site is illustrated on the Vicinity Map (Appendix C).

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);
- State of Louisiana 2014 Wetland Plant List
- 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 3 Delineation. Preliminary data collected on portions of the site contained sufficient information to determine the presence or absence of wetlands without further field data collection. The remaining portions of the site were field verified for the absence or presence of wetlands using 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 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.

2.1 Special considerations for delineating agricultural lands

The agricultural area was evaluated to determine if it was a wetland prior to actively managed agricultural use, and if the area would revert to wetlands if agricultural activities would cease.

The regional supplement guidance document was used during the evaluation of the agricultural area because in general:

- Wetlands used for agriculture often lack a natural plant community and may be altered by mowing, grazing, herbicide use, or other management practices;
- Soils may be disturbed by cultivation, land clearing, grading, or bedding, at least in the surface layers, and hydrology may or may not be manipulated; and
- Some areas still retain their natural wetland hydrology, but historic wetlands in other areas have been effectively drained and no longer meet wetland hydrology standards.

The wetland delineation in the agricultural area considered if:

- The plant community that would occupy the site under normal circumstances would be hydrophytic if the vegetation were not cleared or manipulated;
- The soil profile will exhibit hydric characteristics with or without agricultural management using standard or supplemental technical methodology;
- Wetland hydrology is present at the site under normal circumstances; and
- A drainage system is present, how it is designed to function, and whether it is effective in removing wetland hydrology from the area.

The Level 3 routine wetland delineation captured these considerations, and findings are incorporated into this report.

3.0 FINDINGS

A total of five sample plots were taken on the Site. The sample plot locations were selected based on visual observations of changes in vegetation and/or topography. 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 majority of the property falls within existing and active agriculture fields. The site is relatively flat with levees surrounding and crossing the site. The active crops include rice and soybeans, and the fields are intersected by well-defined and deep agriculture drainage ditches that flow into Bayou Plaquemine Brule. The drainage ditches along the perimeter of the agriculture areas are adequately deep to drain any fields when rice levees are opened.

The southernmost portion of the site is wooded and consists of natural and manmade ridges from the cleanout of Bayou Plaquemine Brule. Wetland hydrology can be observed between the naturally higher elevation areas and the historical spoil placement from water bottom cleanout. Evidence of ponding and water accumulation exists in the lower area. The lower area has some connectivity to other drainage features.

3.1.2 Sample Plot Data

Sample Plots 2 and 3 met 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 consists agricultural fields, used for the cultivation of rice and soybean, and mixed bottomland hardwood vegetation community near Bayou Plaquemine Brule. The site is also crossed by jurisdictional waters used in the cultivation of commodity crops. The PC determination conducted in 1988 did not reveal any farmed wetlands or prior-converted wetlands within the subject property. A partial crop history and historical aerials do not reveal any long-term inactivity that could constitute field abandonment. See Appendix D for farming records.

3.2.2 Sample Plot Data

Five sample plot locations were taken on the site. Sample Plots 1, 2, and 3 met the criteria for presence of wetland vegetation. The vegetation for all Sample Plots are 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 Acadia Parish Survey, the entire area contains the following NRCS mapped soil types (Appendix C):

Map Symbol	Soil Name	Hydric Rating
AdB	Acadiana silt loam, 1 to 3 percent slopes	8% hydric
BSA*	Basile and Brule, 0 to 3 percent slopes, frequently flooded	92% hydric
CrA	Crowley silt loam, 0 to 1 percent slopes	7% hydric
IoD	Iota silt loam, 3 to 8 percent slopes	0% hydric
KvA*	Kinder-Vidrine complex, 0 to 1 percent slopes	70%. hydric

*listed as predominantly hydric according to the national hydric soils list.

The agriculture area falls within NRCS-mapped Crowley silt loam, 0-1% slopes (CrA) and Kinder-Vidrine complex, 0-1% slopes (KvA).

3.3.2 Sample Plot Data

Sample Plots 2 and 3, having depleted soil matrix, met 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.

A wetland delineation plot within KvA soils (Plot 5) was taken in the wooded area to evaluate the soil type within the agriculture field as well as northern portion of the woods. The soils profile for this plot was non-hydric.

4.0 SUMMARY AND COMCLUSIONS

4.1 Data Summary

Sample Plots 2 and 3, which was taken in the mapped hydric soil on the site, met all three criteria of a wetland. Plots 1, 4, and 5 did not meet the criteria for the presence of a wetland. The following table illustrates the results of the sample plot data:

Data Plot	Hydrology	Vegetation	Soils
Plot 1	N	Y	N
Plot 2	Y	Y	Y
Plot 3	Y	Y	Y
Plot 4	N	N	N
Plot 5	N	N	N

4.2 Conclusion

Based on the data collected, it is Blue Ox's professional opinion that the only wetlands present on the site are located in the wooded area adjacent to Bayou Plaquemine Brule. The site also has Section 10 and Section 404 waters present on the site with in uplands.

Based on the mapped soil types, offsite soil plot revealing non-hydric soils within the mapped KvA soil, the well-maintained agriculture ditches, limited historical data, and current conditions at the site, it is our professional opinion that the agriculture fields within the subject property are not jurisdictional wetlands.

Due to connectivity to Bayou Plaquemine Brule, we maintain the agricultural drains are jurisdictional and activities affecting these drains are subject to Sections 401 and 404 of the Clean Water Act. -

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
Aerobic	A situation in which molecular oxygen is a part of the environment.
Anaerobic	A situation in which molecular oxygen is absent (or effectively so) from the environment
Atypical situation.	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.
Dominance Test	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."
Growing season	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).
Hydric Soils	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. 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: • 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).
Hydrophytic Species	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.
Hydrophytic Vegetation	In order for the vegetation to be considered hydrophytic (wet), the prevalent vegetation must consist of *macrophytes* that are typically adapted to areas having hydrologic and soil conditions unique to wetlands (e.g. must be *hyrdophytic species*). 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, *dominance test*, and *prevalence index* are predominantly used to determine if hydrophtic vegetation is present at a sample plot.

<table>
<tr><th>Term</th><th>Definition</th></tr>
<tr><td>Macrophytes</td><td>Macrophytes are any plant material that can be seen without the aid of magnification.</td></tr>
<tr><td>Plant Indicator Status Categories</td><td>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.
<table>
<tr><th>Indicator Category</th><th>Indicator Symbol</th><th>Definition</th></tr>
<tr><td>Obligate Wetland Plants</td><td>(OBL)</td><td>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>Facultative Wetland Plants</td><td>(FACW)</td><td>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>Facultative Plants</td><td>(FAC)</td><td>Plants with a similar likelihood (estimated probability 33% to 67%) of occurring in both wetlands and non-wetlands.</td></tr>
<tr><td>Facultative Upland Plants</td><td>(FACU)</td><td>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>Obligate Upland Plants</td><td>(UPL)</td><td>Plants that occur rarely (estimated probability <1%) in wetlands, but occur almost always (estimate probability >99%) in non-wetlands under natural conditions.</td></tr>
</table></td></tr>
<tr><td>Prevalence Index</td><td>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 that 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.</td></tr>
<tr><td>Rapid Test for hydrophytic vegetation</td><td>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.</td></tr>
<tr><td>Routine wetland determination</td><td>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.</td></tr>
<tr><td>Sample plot</td><td>An area of land used for measuring or observing existing conditions</td></tr>
<tr><td>Transect</td><td>As used herein, a line on the ground along which observations are made at some interval</td></tr>
<tr><td>Typically Adapted</td><td>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.</td></tr>
<tr><td>Under normal circumstances</td><td>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.</td></tr>
</table>

Term	Definition
Upland	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.
Wetlands	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: (1) Hydrophytic Vegetation (2) Hydric Soils (3) Wetland Hydrology 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.
Wetland boundary	The point on the ground at which a shift from wetlands to non-wetlands or aquatic habitats occurs. These boundaries usually follow contours.
Wetland determination	The process or procedure by which an area is adjudged a wetland or non-wetland by the US Army Corps of Engineers.

<table>
<tr><th>Term</th><th>Definition</th></tr>
<tr><td>Wetland Hydrology</td><td>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.

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.

<table>
<tr><th>Primary Indicators include:</th><th>Secondary Indicators include:</th></tr>
<tr><td>• 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>• 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>
</table>
</td></tr>
</table>

APPENDIX A – DATA SHEETS

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Freeland Property **City/County:** Acadia **Sampling Date:** 06-Aug-15

Applicant/Owner: One Acadiana **State:** LA **Sampling Point:** Plot 1

Investigator(s): Brandon Melville **Section, Township, Range:** S 01 T 10S R 01W

Landform (hillslope, terrace, etc.): Mound **Local relief (concave, convex, none):** convex **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR T **Lat.:** 30° 12' 35.3" N **Long.:** 92° 25' 45.9" W **Datum:** WGS84

Soil Map Unit Name: Basile and Brule, 0 to 3 percent slopes, frequently flooded **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 ◉ No ○	**Is the Sampled Area within a Wetland?** Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉	
Wetland Hydrology Present?	Yes ○ No ◉	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ 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 along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ 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)
- ☐ Sphagnum moss (D8) (LRR T, U)

Field Observations:

Surface Water Present?	Yes ○	No ◉	Depth (inches):
Water Table Present?	Yes ○	No ◉	Depth (inches):
Saturation Present? (includes capillary fringe)	Yes ○	No ◉	Depth (inches):

Wetland Hydrology Present? Yes ○ No ◉

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: Plot 1

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Rel.Strat. Cover	Indicator Status
1. Quercus nigra	80	☑	100.0%	FAC
2.	0	☐	0.0%	
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
50% of Total Cover: 40	20% of Total Cover: 16	80	= Total Cover	

Sapling or Sapling/Shrub Stratum (Plot size: 30')				
1. Ulmus alata	30	☑	60.0%	FACU
2. Quercus alba	10	☑	20.0%	FACU
3. Carpinus caroliniana	10	☑	20.0%	FAC
4.	0	☐	0.0%	
5.	0	☐	0.0%	
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
50% of Total Cover: 25	20% of Total Cover: 10	50	= Total Cover	

Shrub Stratum (Plot size: 30')				
1. Ligustrum sinense	40	☑	72.7%	FAC
2. Ligustrum japonicum	15	☑	27.3%	FAC
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
6.	0	☐	0.0%	
50% of Total Cover: 27.5	20% of Total Cover: 11	55	= Total Cover	

Herb Stratum (Plot size: 30')				
1. Smilax bona-nox	5	☑	14.3%	FAC
2. Oplismenus hirtellus	5	☑	14.3%	FAC
3. Campsis radicans	5	☑	14.3%	FAC
4. Serenoa repens	5	☑	14.3%	FACU
5. Toxicodendron radicans	5	☑	14.3%	FAC
6. Ipomoea coccinea	5	☑	14.3%	FAC
7. Carex blanda	5	☑	14.3%	FAC
8.	0	☐	0.0%	
9.	0	☐	0.0%	
10.	0	☐	0.0%	
11.	0	☐	0.0%	
12.	0	☐	0.0%	
50% of Total Cover: 17.5	20% of Total Cover: 7	35	= Total Cover	

Woody Vine Stratum (Plot size:)				
1.	0	☐	0.0%	
2.	0	☐	0.0%	
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
50% of Total Cover: 0	20% of Total Cover: 0	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 10 (A)

Total Number of Dominant Species Across All Strata: 13 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 76.9% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	175	x 3 =	525
FACU species	45	x 4 =	180
UPL species	0	x 5 =	0
Column Totals:	220 (A)		705 (B)

Prevalence Index = B/A = 3.205

Hydrophytic Vegetation Indicators:

- ☐ **1 - Rapid Test for Hydrophytic Vegetation**
- ☑ **2 - Dominance Test is > 50%**
- ☐ **3 - Prevalence Index is ≤3.0** [1]
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must 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.

SOIL

Sampling Point: Plot 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc [2]	Texture	Remarks
0-3	10YR	5/3	100						Silt Loam	
3-12	10YR	6/3	50	7.5YR	5/6	35	C	M	Silty Clay Loam	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) (LRR P, T, U)
- ☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)
- ☐ Muck Presence (A8) (LRR U)
- ☐ 1 cm Muck (A9) (LRR P, T)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) (MLRA 150A)
- ☐ Sandy Muck Mineral (S1) (LRR O, S)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR P, S, T, U)
- ☐ Polyvalue Below Surface (S8) (LRR S, T, U)
- ☐ Thin Dark Surface (S9) (LRR S, T, U)
- ☐ Loamy Mucky Mineral (F1) (LRR O)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) (LRR U)
- ☐ Depleted Ochric (F11) (MLRA 151)
- ☐ Iron-Manganese Masses (F12) (LRR O, P, T)
- ☐ Umbric Surface (F13) (LRR P, T, U)
- ☐ Delta Ochric (F17) (MLRA 151)
- ☐ Reduced Vertic (F18) (MLRA 150A, 150B)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

Indicators for Problematic Hydric Soils [3]:

- ☐ 1 cm Muck (A9) (LRR O)
- ☐ 2 cm Muck (A10) (LRR S)
- ☐ Reduced Vertic (F18) (outside MLRA 150A,B)
- ☐ Piedmont Floodplain Soils (F19) (LRR P, S, T)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 153B)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Freeland Property **City/County:** Acadia **Sampling Date:** 06-Aug-15

Applicant/Owner: One Acadiana **State:** LA **Sampling Point:** Plot 2

Investigator(s): Brandon Melville **Section, Township, Range:** S 01 T 10S R 01W

Landform (hillslope, terrace, etc.): Flat **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR T **Lat.:** 30° 12' 35.3" N **Long.:** 92° 25' 45.9" W **Datum:** WGS84

Soil Map Unit Name: Basile and Brule, 0 to 3 percent slopes, frequently flooded **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 ◉ No ○	**Is the Sampled Area within a Wetland?** Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○	
Wetland Hydrology Present?	Yes ◉ No ○	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ 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 along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ 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)
- ☐ Sphagnum moss (D8) (LRR T, U)

Field Observations:

Surface Water Present?	Yes ○	No ◉	Depth (inches):
Water Table Present?	Yes ○	No ◉	Depth (inches):
Saturation Present? (includes capillary fringe)	Yes ○	No ◉	Depth (inches):

Wetland Hydrology Present? Yes ◉ No ○

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: Plot 2

	Absolute % Cover	Dominant Species?	Rel.Strat. Cover	Indicator Status
Tree Stratum (Plot size: 30')				
1. Quercus lyrata	30	☑	33.3%	OBL
2. Quercus nigra	20	☑	22.2%	FAC
3. Quercus michauxii	10	☐	11.1%	FACW
4. Liquidambar styraciflua	10	☐	11.1%	FAC
5. Ulmus americana	5	☐	5.6%	FAC
6. Ulmus rubra	5	☐	5.6%	FAC
7. Fraxinus pennsylvanica	5	☐	5.6%	FACW
8. Triadica sebifera	5	☐	6.3%	FAC
50% of Total Cover: 45 20% of Total Cover: 18	90	= Total Cover		
Sapling or Sapling/Shrub Stratum (Plot size: 30')				
1. Carpinus caroliniana	40	☑	50.0%	FAC
2. Ulmus rubra	30	☑	37.5%	FAC
3. Triadica sebifera	10	☐	12.5%	FAC
4.	0	☐	0.0%	
5.	0	☐	0.0%	
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
50% of Total Cover: 40 20% of Total Cover: 16	80	= Total Cover		
Shrub Stratum (Plot size: 30')				
1. Ligustrum japonicum	20	☑	100.0%	FAC
2.	0	☐	0.0%	
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
6.	0	☐	0.0%	
50% of Total Cover: 10 20% of Total Cover: 4	20	= Total Cover		
Herb Stratum (Plot size: 30')				
1. Serenoa repens	10	☑	33.3%	FACU
2. Persicaria pensylvanica	5	☑	16.7%	FACW
3. Toxicodendron radicans	5	☑	16.7%	FAC
4. Lygodium japonicum	5	☑	16.7%	FAC
5. Commelina communis	5	☑	16.7%	FAC
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
9.	0	☐	0.0%	
10.	0	☐	0.0%	
11.	0	☐	0.0%	
12.	0	☐	0.0%	
50% of Total Cover: 15 20% of Total Cover: 6	30	= Total Cover		
Woody Vine Stratum (Plot size: 30')				
1. Vitis rotundifolia	20	☑	66.7%	FAC
2. Campsis radicans	10	☑	33.3%	FAC
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
50% of Total Cover: 15 20% of Total Cover: 6	30	= Total Cover		

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 11 (A)

Total Number of Dominant Species Across All Strata: 12 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 91.7% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:		
OBL species	30	x 1 =	30	
FACW species	20	x 2 =	40	
FAC species	190	x 3 =	570	
FACU species	10	x 4 =	40	
UPL species	0	x 5 =	0	
Column Totals:	250	(A)	680	(B)

Prevalence Index = B/A = 2.720

Hydrophytic Vegetation Indicators:

- ☐ **1 - Rapid Test for Hydrophytic Vegetation**
- ☑ **2 - Dominance Test is > 50%**
- ☑ **3 - Prevalence Index is ≤3.0** [1]
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must 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.

SOIL

Sampling Point: Plot 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type [1]	Loc [2]	Texture	Remarks
0-12	10YR 5/2	70	7.5YR 5/6	30	C	M	Silt Loam	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) (LRR P, T, U)
- ☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)
- ☐ Muck Presence (A8) (LRR U)
- ☐ 1 cm Muck (A9) (LRR P, T)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) (MLRA 150A)
- ☐ Sandy Muck Mineral (S1) (LRR O, S)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR P, S, T, U)
- ☐ Polyvalue Below Surface (S8) (LRR S, T, U)
- ☐ Thin Dark Surface (S9) (LRR S, T, U)
- ☐ Loamy Mucky Mineral (F1) (LRR O)
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) (LRR U)
- ☐ Depleted Ochric (F11) (MLRA 151)
- ☐ Iron-Manganese Masses (F12) (LRR O, P, T)
- ☐ Umbric Surface (F13) (LRR P, T, U)
- ☐ Delta Ochric (F17) (MLRA 151)
- ☐ Reduced Vertic (F18) (MLRA 150A, 150B)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

Indicators for Problematic Hydric Soils [3]:

- ☐ 1 cm Muck (A9) (LRR O)
- ☐ 2 cm Muck (A10) (LRR S)
- ☐ Reduced Vertic (F18) (outside MLRA 150A,B)
- ☐ Piedmont Floodplain Soils (F19) (LRR P, S, T)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 153B)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Freeland Property **City/County:** Acadia **Sampling Date:** 06-Aug-15

Applicant/Owner: One Acadiana **State:** LA **Sampling Point:** Plot 3

Investigator(s): Brandon Melville **Section, Township, Range:** S 01 T 10S R 01W

Landform (hillslope, terrace, etc.): Flat **Local relief (concave, convex, none):** convex **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR T **Lat.:** 30° 12' 40.367" N **Long.:** 92° 25' 46.513" W **Datum:** WGS84

Soil Map Unit Name: Basile and Brule, 0 to 3 percent slopes, frequently flooded **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 ◉ No ○	**Is the Sampled Area within a Wetland?** **Yes** ◉ **No** ○
Hydric Soil Present?	Yes ◉ No ○	
Wetland Hydrology Present?	Yes ◉ No ○	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ 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 along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ 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)
- ☐ Sphagnum moss (D8) (LRR T, U)

Field Observations:

Surface Water Present?	Yes ○	No ◉	Depth (inches):
Water Table Present?	Yes ○	No ◉	Depth (inches):
Saturation Present? (includes capillary fringe)	Yes ◉	No ○	Depth (inches): 0

Wetland Hydrology Present? **Yes** ◉ **No** ○

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: Plot 3

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Rel.Strat. Cover	Indicator Status
1. Taxodium distichum	90	☑	80.4%	OBL
2. Fraxinus pennsylvanica	15	☐	13.4%	FACW
3. Quercus lyrata	5	☐	4.5%	OBL
4. Acer rubrum	2	☐	1.8%	FAC
5.	0	☐	0.0%	
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
50% of Total Cover: 56	20% of Total Cover: 22.4	112	= Total Cover	

Sapling or Sapling/Shrub Stratum (Plot size:)				
1. Fraxinus pennsylvanica	20	☑	57.1%	FACW
2. Acer rubrum	5	☐	14.3%	FAC
3. Taxodium distichum	5	☐	14.3%	OBL
4. Triadica sebifera	5	☐	14.3%	FAC
5.	0	☐	0.0%	
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
50% of Total Cover: 17.5	20% of Total Cover: 7	35	= Total Cover	

Shrub Stratum (Plot size:)				
1.	0	☐	0.0%	
2.	0	☐	0.0%	
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
6.	0	☐	0.0%	
50% of Total Cover: 0	20% of Total Cover: 0	0	= Total Cover	

Herb Stratum (Plot size:)				
1. Alternanthera philoxeroides	50	☑	52.6%	OBL
2. Commelina communis	30	☑	31.6%	FAC
3. Crinum americanum	5	☐	5.3%	OBL
4. Pilea pumila	5	☐	5.3%	FACW
5. Serenoa repens	5	☐	5.3%	FACU
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
9.	0	☐	0.0%	
10.	0	☐	0.0%	
11.	0	☐	0.0%	
12.	0	☐	0.0%	
50% of Total Cover: 47.5	20% of Total Cover: 19	95	= Total Cover	

Woody Vine Stratum (Plot size:)				
1. Campsis radicans	20	☑	100.0%	FAC
2.	0	☐	0.0%	
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
50% of Total Cover: 10	20% of Total Cover: 4	20	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:		Multiply by:	
OBL species	155	x 1 =	155	
FACW species	40	x 2 =	80	
FAC species	62	x 3 =	186	
FACU species	5	x 4 =	20	
UPL species	0	x 5 =	0	
Column Totals:	262	(A)	441	(B)

Prevalence Index = B/A = 1.683

Hydrophytic Vegetation Indicators:

- ☐ **1 - Rapid Test for Hydrophytic Vegetation**
- ☑ **2 - Dominance Test is > 50%**
- ☑ **3 - Prevalence Index is ≤3.0** [1]
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must 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.

SOIL

Sampling Point: Plot 3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc [2]	Texture	Remarks
0-6	10YR	4/1	65	7.5YR	5/6	35	C	M	Silty Clay	
6-12	10YR	5/1	100						Silty Clay	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) (LRR P, T, U)
- ☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)
- ☐ Muck Presence (A8) (LRR U)
- ☐ 1 cm Muck (A9) (LRR P, T)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) (MLRA 150A)
- ☐ Sandy Muck Mineral (S1) (LRR O, S)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR P, S, T, U)
- ☐ Polyvalue Below Surface (S8) (LRR S, T, U)
- ☐ Thin Dark Surface (S9) (LRR S, T, U)
- ☐ Loamy Mucky Mineral (F1) (LRR O)
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) (LRR U)
- ☐ Depleted Ochric (F11) (MLRA 151)
- ☐ Iron-Manganese Masses (F12) (LRR O, P, T)
- ☐ Umbric Surface (F13) (LRR P, T, U)
- ☐ Delta Ochric (F17) (MLRA 151)
- ☐ Reduced Vertic (F18) (MLRA 150A, 150B)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

Indicators for Problematic Hydric Soils [3]:

- ☐ 1 cm Muck (A9) (LRR O)
- ☐ 2 cm Muck (A10) (LRR S)
- ☐ Reduced Vertic (F18) (outside MLRA 150A,B)
- ☐ Piedmont Floodplain Soils (F19) (LRR P, S, T)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 153B)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Freeland Property **City/County:** Acadia **Sampling Date:** 06-Aug-15

Applicant/Owner: One Acadiana **State:** LA **Sampling Point:** Plot 4

Investigator(s): Brandon Melville **Section, Township, Range:** S 01 T 10S R 01W

Landform (hillslope, terrace, etc.): Flat **Local relief (concave, convex, none):** convex **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR T **Lat.:** 30° 12' 42.293" N **Long.:** 92° 25' 46.405" W **Datum:** WGS84

Soil Map Unit Name: Acadiana silt loam, 1 to 3 percent slopes **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 ○ No ◉	**Is the Sampled Area within a Wetland?** Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉	
Wetland Hydrology Present?	Yes ○ No ◉	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ 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 along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ 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)
- ☐ Sphagnum moss (D8) (LRR T, U)

Field Observations:

Surface Water Present?	Yes ○	No ◉	Depth (inches):
Water Table Present?	Yes ○	No ◉	Depth (inches):
Saturation Present? (includes capillary fringe)	Yes ○	No ◉	Depth (inches):

Wetland Hydrology Present? Yes ○ No ◉

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: Plot 4

	Absolute % Cover	Dominant Species?	Rel.Strat. Cover	Indicator Status
Tree Stratum (Plot size:)				
1. Quercus pagoda	50	☑	43.5%	FACW
2. Quercus alba	30	☑	26.1%	FACU
3. Quercus stellata	20	☐	17.4%	UPL
4. Carya tomentosa	10	☐	8.7%	UPL
5. Carpinus caroliniana	5	☐	4.3%	FAC
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
50% of Total Cover: 57.5	20% of Total Cover: 23	115	= Total Cover	
Sapling or Sapling/Shrub Stratum (Plot size:)				
1. Ulmus alata	25	☑	50.0%	FACU
2. Carpinus caroliniana	20	☑	40.0%	FAC
3. Prunus serotina	5	☐	10.0%	FACU
4.	0	☐	0.0%	
5.	0	☐	0.0%	
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
50% of Total Cover: 25	20% of Total Cover: 10	50	= Total Cover	
Shrub Stratum (Plot size:)				
1. Ligustrum japonicum	25	☑	62.5%	FAC
2. Callicarpa americana	15	☑	37.5%	FACU
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
6.	0	☐	0.0%	
50% of Total Cover: 20	20% of Total Cover: 8	40	= Total Cover	
Herb Stratum (Plot size:)				
1. Smilax rotundifolia	15	☑	75.0%	FAC
2. Serenoa repens	5	☑	25.0%	FACU
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
9.	0	☐	0.0%	
10.	0	☐	0.0%	
11.	0	☐	0.0%	
12.	0	☐	0.0%	
50% of Total Cover: 10	20% of Total Cover: 4	20	= Total Cover	
Woody Vine Stratum (Plot size:)				
1.	0	☐	0.0%	
2.	0	☐	0.0%	
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
50% of Total Cover: 0	20% of Total Cover: 0	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

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

Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	50	x 2 =	100
FAC species	65	x 3 =	195
FACU species	80	x 4 =	320
UPL species	30	x 5 =	150
Column Totals:	225 (A)		765 (B)

Prevalence Index = B/A = 3.400

Hydrophytic Vegetation Indicators:

- ☐ **1 - Rapid Test for Hydrophytic Vegetation**
- ☐ **2 - Dominance Test is > 50%**
- ☐ **3 - Prevalence Index is ≤3.0** [1]
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must 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.

SOIL

Sampling Point: Plot 4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc [2]	Texture	Remarks
0-4	10YR	4/3	100						Silt Loam	
4-12	10YR	5/4	95	7.5YR	4/6	5			Silt Loam	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) (LRR P, T, U)
- ☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)
- ☐ Muck Presence (A8) (LRR U)
- ☐ 1 cm Muck (A9) (LRR P, T)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) (MLRA 150A)
- ☐ Sandy Muck Mineral (S1) (LRR O, S)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR P, S, T, U)
- ☐ Polyvalue Below Surface (S8) (LRR S, T, U)
- ☐ Thin Dark Surface (S9) (LRR S, T, U)
- ☐ Loamy Mucky Mineral (F1) (LRR O)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) (LRR U)
- ☐ Depleted Ochric (F11) (MLRA 151)
- ☐ Iron-Manganese Masses (F12) (LRR O, P, T)
- ☐ Umbric Surface (F13) (LRR P, T, U)
- ☐ Delta Ochric (F17) (MLRA 151)
- ☐ Reduced Vertic (F18) (MLRA 150A, 150B)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

Indicators for Problematic Hydric Soils [3]:

- ☐ 1 cm Muck (A9) (LRR O)
- ☐ 2 cm Muck (A10) (LRR S)
- ☐ Reduced Vertic (F18) (outside MLRA 150A,B)
- ☐ Piedmont Floodplain Soils (F19) (LRR P, S, T)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 153B)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Freeland Property **City/County:** Acadia **Sampling Date:** 06-Aug-15

Applicant/Owner: One Acadiana **State:** LA **Sampling Point:** Plot 5

Investigator(s): Brandon Melville **Section, Township, Range:** S 01 T 10S R 01W

Landform (hillslope, terrace, etc.): Flat **Local relief (concave, convex, none):** convex **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR T **Lat.:** 30° 12' 46.357" N **Long.:** 92° 25' 52.104" W **Datum:** WGS84

Soil Map Unit Name: Kinder-Vidrine complex, 0 to 1 percent slopes **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 ○ No ◉	**Is the Sampled Area within a Wetland?** Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉	
Wetland Hydrology Present?	Yes ○ No ◉	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ 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 along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ 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)
- ☐ Sphagnum moss (D8) (LRR T, U)

Field Observations:

Surface Water Present?	Yes ○	No ◉	Depth (inches):
Water Table Present?	Yes ○	No ◉	Depth (inches):
Saturation Present? (includes capillary fringe)	Yes ○	No ◉	Depth (inches):

Wetland Hydrology Present? Yes ○ No ◉

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: Plot 5

	Absolute % Cover	Dominant Species?	Rel.Strat. Cover	Indicator Status
Tree Stratum (Plot size: 30')				
1. Pinus taeda	40	☑	44.4%	FAC
2. Quercus stellata	20	☑	22.2%	UPL
3. Quercus pagoda	0	☐	0.0%	FACW
4. Carya tomentosa	15	☐	16.7%	UPL
5. Ulmus alata	15	☐	16.7%	FACU
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
50% of Total Cover: 45	20% of Total Cover: 18	90	= Total Cover	
Sapling or Sapling/Shrub Stratum (Plot size: 30')				
1. Ulmus alata	30	☑	54.5%	FACU
2. Prunus serotina	20	☑	36.4%	FACU
3. Carya tomentosa	5	☐	9.1%	UPL
4.	0	☐	0.0%	
5.	0	☐	0.0%	
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
50% of Total Cover: 27.5	20% of Total Cover: 11	55	= Total Cover	
Shrub Stratum (Plot size: 30')				
1. Ligustrum japonicum	30	☑	50.0%	FAC
2. Callicarpa americana	30	☑	50.0%	FACU
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
6.	0	☐	0.0%	
50% of Total Cover: 30	20% of Total Cover: 12	60	= Total Cover	
Herb Stratum (Plot size: 30')				
1. Smilax rotundifolia	5	☑	25.0%	FAC
2. Lonicera sempervirens	0	☐	0.0%	FACU
3. Toxicodendron radicans	5	☑	25.0%	FAC
4. Vitis rotundifolia	5	☑	25.0%	FAC
5. Rubus trivialis	5	☑	25.0%	FACU
6.	0	☐	0.0%	
7.	0	☐	0.0%	
8.	0	☐	0.0%	
9.	0	☐	0.0%	
10.	0	☐	0.0%	
11.	0	☐	0.0%	
12.	0	☐	0.0%	
50% of Total Cover: 10	20% of Total Cover: 4	20	= Total Cover	
Woody Vine Stratum (Plot size: 30')				
1.	0	☐	0.0%	
2.	0	☐	0.0%	
3.	0	☐	0.0%	
4.	0	☐	0.0%	
5.	0	☐	0.0%	
50% of Total Cover: 0	20% of Total Cover: 0	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 10 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	85	x 3 =	255
FACU species	100	x 4 =	400
UPL species	40	x 5 =	200
Column Totals:	225 (A)		855 (B)

Prevalence Index = B/A = 3.800

Hydrophytic Vegetation Indicators:

- ☐ **1 - Rapid Test for Hydrophytic Vegetation**
- ☐ **2 - Dominance Test is > 50%**
- ☐ **3 - Prevalence Index is ≤3.0** [1]
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must 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.

SOIL

Sampling Point: Plot 5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc [2]	Texture	Remarks
0-6	10YR	5/6	90	7.5YR	5/6	10	C	M	Silt Loam	
6-12	10YR	6/3	70	7.5YR	5/6	30	C	M	Silt Loam	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) (LRR P, T, U)
- ☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)
- ☐ Muck Presence (A8) (LRR U)
- ☐ 1 cm Muck (A9) (LRR P, T)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) (MLRA 150A)
- ☐ Sandy Muck Mineral (S1) (LRR O, S)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR P, S, T, U)
- ☐ Polyvalue Below Surface (S8) (LRR S, T, U)
- ☐ Thin Dark Surface (S9) (LRR S, T, U)
- ☐ Loamy Mucky Mineral (F1) (LRR O)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) (LRR U)
- ☐ Depleted Ochric (F11) (MLRA 151)
- ☐ Iron-Manganese Masses (F12) (LRR O, P, T)
- ☐ Umbric Surface (F13) (LRR P, T, U)
- ☐ Delta Ochric (F17) (MLRA 151)
- ☐ Reduced Vertic (F18) (MLRA 150A, 150B)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

Indicators for Problematic Hydric Soils [3]:

- ☐ 1 cm Muck (A9) (LRR O)
- ☐ 2 cm Muck (A10) (LRR S)
- ☐ Reduced Vertic (F18) (outside MLRA 150A,B)
- ☐ Piedmont Floodplain Soils (F19) (LRR P, S, T)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 153B)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

APPENDIX B – PHOTOGRAPHS

Photo # 1 - Plot 1 – Soil Sample

Photo # 2 - Plot 1 – Vegetation looking northerly

Photo # 3 - Plot 2 - Vegetation Looking easterly

Photo # 4 - Plot 2 - Vegetation Looking southerly

Photo # 5 - Plot 1 - Vegetation Looking westerly

Photo # 6 - Plot 2 – Soil Sample

Photo # 7 - Plot 2 – Vegetation looking northerly

Photo # 8 - Plot 2 - Vegetation Looking easterly

Photo # 9 - Plot 2 - Vegetation Looking southerly

Photo # 10 - Vegetation Looking westerly

Photo # 11 - Plot 3 – Soil Sample

Photo # 12 - Plot 3 – Vegetation looking northerly

Photo # 13 - Plot 3 - Vegetation Looking easterly

Photo # 14 - Plot 3 - Vegetation Looking southerly

Photo # 15 - Plot 3 - Vegetation Looking westerly

Photo # 16 - Plot 4 – Soil Sample

Photo # 17 - Plot 4 – Vegetation looking northerly

Photo # 18 - Plot 4- Vegetation Looking easterly

Photo # 19 - Plot 4 - Vegetation Looking southerly

Photo # 20 - - Vegetation Looking westerly

Photo # 21 - Plot 5 – Soil Sample

Photo # 22 - Plot 5- Vegetation Looking northerly

Photo # 23 - Plot 5 - Vegetation Looking easterly

Photo # 24 - Plot 5 - Vegetation Looking southerly

Photo # 25 - Plot 5 - Vegetation Looking westerly

Photo # 26 - Photo Point 1 – Jurisdictional Water (Section 404)

Photo # 27 - Photo Point 2 – Jurisdiction Drain (Section 404)

Photo # 28 - Photo Point 3 – Jurisdictional Water (Section 404)

Photo # 29 - Photo Point 4 – Jurisdiction Drain (Section 404)

Photo # 30 - Photo Point 5 – Bayou Plaquemine Brule (Section 10 Water)

Photo # 31 - Photo Point 5 – Bayou Plaquemine Brule (Section 10 Water)

APPENDIX C – VICINITY MAP

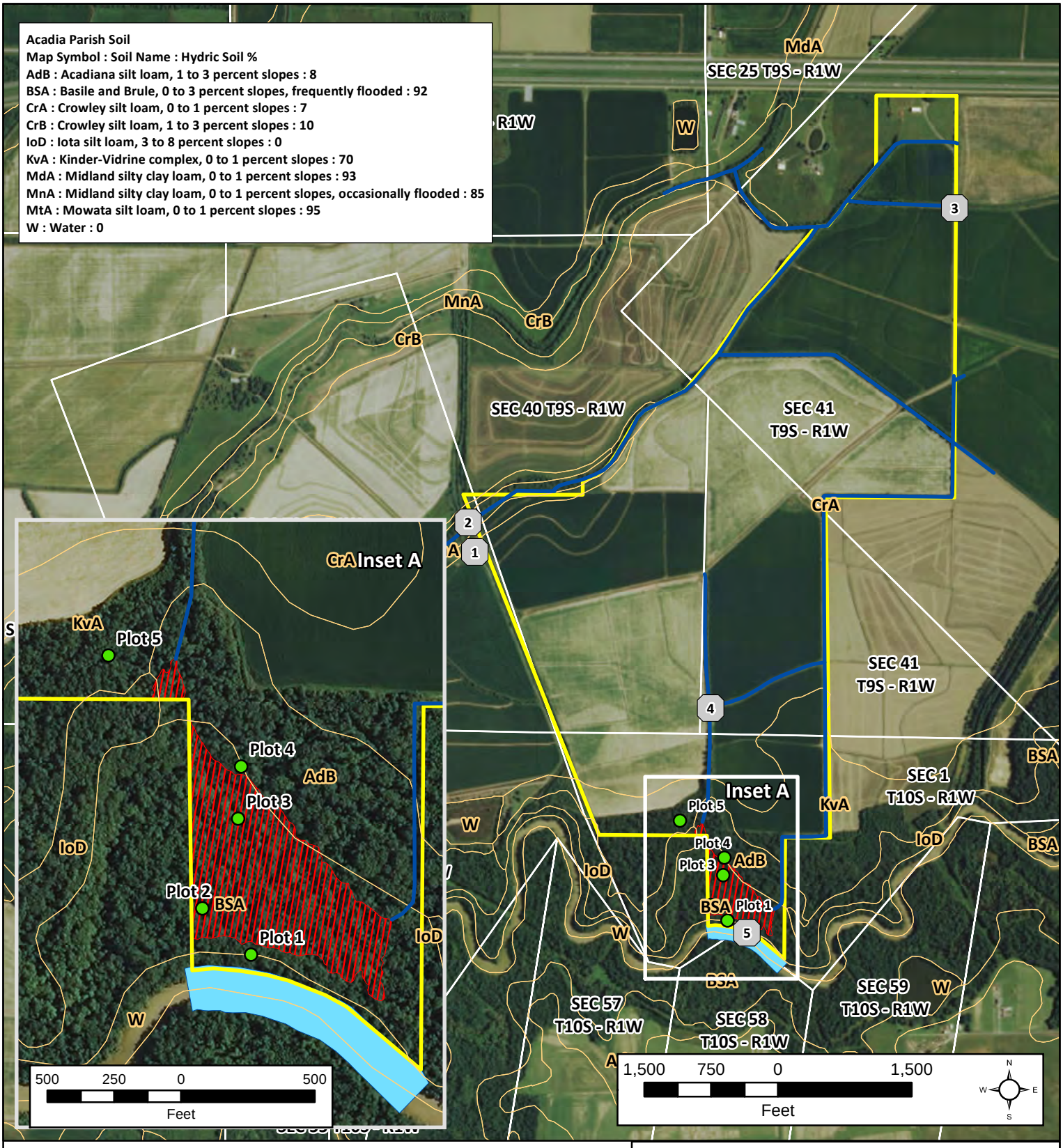


Photo Point

Wetland Delineation Plot

Other Waters (Sec. 404)

Freeland Site Boundary

Other Water (Sec. 10)

Wetland (±8.56 Acres)

Wetland Delineation Detail

Routine Wetland Delineaiton
Freeland Interests, LLC

Sections 01, T10S - R01W
Sections 40, 41, T09S-R01W
Acadia Parish, Louisiana

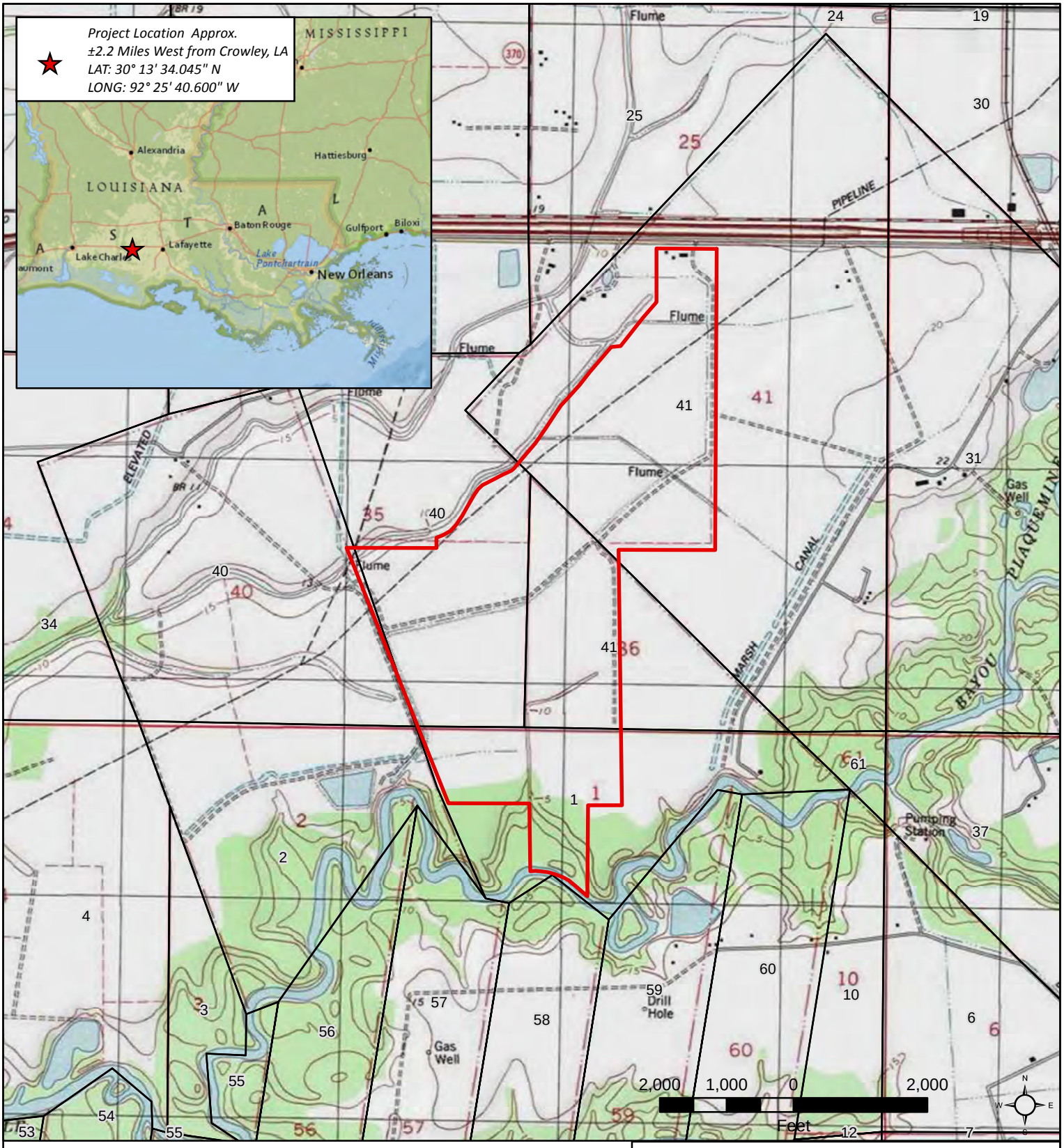
BLUE OX
ENVIRONMENTAL PLANNING SERVICES, LLC

Rev: (date/initial)

Created by: KFM
Date: 08/14/2015

Job Number: 15086

NOTE: The contents of these plans are intended exclusively for the purpose of obtaining environmental compliance permits and are not construction drawings. No survey data obtained prior to application submittal.



Freeland Site Boundary

Vicinity Map

Routine Wetland Delineaiton
Freeland Interests, LLC

Section 01, T10S - R01W
Sections 40, 41, T09S-R01W
Acadia Parish, Louisiana

BLUE OX ENVIRONMENTAL PLANNING SERVICES, LLC

Rev: (date/initial)

Created by: KFM
Date: 08/14/2015

Job Number: 15086

APPENDIX D – FARM RECORDS

Soil Conservation Service

HIGHLY ERODIBLE LAND AND WETLAND CONSERVATION DETERMINATION

(27432) 170 174

Name & Address: Charles HARMON, Rt 3 Box 165, Crowley, LA 70526

7/9/87

3. County: Acadia

4. Name of USDA Agency or Person Requesting Determination: ASCS

5. Farm No. and Tract No.: F ~~1226~~ T ~~1385~~ 8377 7841

SECTION I – HIGHLY ERODIBLE LAND

	Yes	No	Field No.(s)	Total Acres
6. Is soil survey now available for making a highly erodible land determination?	✓			
7. Are there highly erodible soil map units on this farm?		✓		
8. List highly erodible fields that, according to ASCS records, were used to produce an agricultural commodity in any crop year during 1981-1985.				
9. List highly erodible fields that have been or will be converted for the production of agricultural commodities and according to ASCS records, were not used for this purpose in any crop year during 1981-1985; and were not enrolled in a USDA set-aside or Diversion Program.				

10. This Highly Erodible Land determination was completed in the office [ ] Field [✓]

NOTE: If you have highly erodible cropland fields, you may need to have a conservation plan developed for these fields. For further information, contact the local office of the Soil Conservation Service.

SECTION II – WETLAND

	Yes	No	Field No.(s)	Total Wetland Acres
11. Are there hydric soils on this farm?	✓			
List field numbers and acres, where appropriate, for the following EXEMPTED WETLANDS:				
12. Wetlands (W), including abandoned wetlands, or Farmed Wetlands (FW). Wetlands may be farmed under natural conditions. Farmed Wetlands may be farmed and maintained in the same manner as they were prior to December 23, 1985, as long as they are not abandoned.				
13. Prior Converted Wetlands (PC) - The use, management, drainage, and alteration of prior converted wetlands (PC) are not subject to FSA unless the area reverts to wetland as a result of abandonment. You should inform SCS of any area to be used to produce an agricultural commodity that has not been cropped, managed, or maintained for 5 years or more.				
14. Artificial Wetland (AW) - Artificial Wetlands includes irrigated induced wetlands. These Wetlands are not subject to FSA.				
15. Minimal Effect Wetland (MW) - These wetlands are to be farmed according to the minimal effect agreement signed at the time the minimal effect determination was made.				
NON-EXEMPTED WETLANDS: Cleared wetland			unfarm2	53.0
16. Converted Wetlands (CW) - In any year that an agricultural commodity is planted on these Converted Wetlands, you will be ineligible for USDA benefits. If you believe that the conversion was commenced before December 23, 1985, or that the conversion was caused by a third party, contact the ASCS office for a commenced or third party determination.				

17. The planned alteration measures on wetlands in fields _____ are considered maintenance and are in compliance with FSA.

18. The planned alteration measures on wetlands in fields _____ are not considered to be maintenance and if installed will cause the area to become a Converted Wetland (CW). See item 16 for information on CW.

19. This wetland determination was completed in the office [✓] Field [ ]

20. This determination was delivered [ ] Mailed [✓] To the Person on Date: _____

NOTE: If you do not agree with this determination, you may request a reconsideration from the person that signed this form in block 22 below. The reconsideration is a prerequisite for any further appeal. The request for the reconsideration must be in writing and must state your reasons for the request. The request must be mailed or delivered within 15 days after this determination is mailed to or otherwise made available to you. Please see reverse side of the producer's copy of this form for more information on appeals procedure.

NOTE: If you intend to convert additional land to cropland, or alter any wetlands you must initiate another form AD-1026 at the local office of ASCS. Abandonment is where land has not been cropped, managed, or maintained for 5 years or more. You should inform SCS if you plan to produce an agricultural commodity on abandoned wetlands.

21. Remarks

22. Signature of SCS District Conservationist: Emmett Wilson

23. Date: 5/31/88

Acadia, Louisiana

PROGRAM YEAR: 2015

FSA - 578 (02-01-91)

REPORT OF COMMODITIES
FARM AND TRACT DETAIL LISTING

DATE: 7-23-2015
PAGE: 1

Farm Number: 8377

Original: _____
Revision: _____
Cropland: 501.75
Farmland: 620.63

Operator Name and Address

JOSEPH W FREELAND INTERESTS LLC
PO BOX 247
CROWLEY, LA 70527-0247

Tract Number	CLU/ Field	Crop/ Commodity	Variety/ Type	Irr Prc	Int Use	Actual Use	Land Use	Organic Status	C/C Status	Reporting Unit	Reported Quantity	Determined Quantity	Crop Land	Field ID	Official/ Measured	Planting Date	Planting Period	End Date
7841	4	RICE	LGR	I	GR			C	I	A	13.71		Yes			3-22-2015	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 50.00		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							50.00								
	5	RICE	LGR	I	GR			C	I	A	35.34		Yes			3-22-2015	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 50.00		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							50.00								
	6	RICE	LGR	I	GR			C	I	A	23.61		Yes			3-22-2015	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 50.00		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							50.00								
	7	RICE	LGR	I	GR			C	I	A	21.46		Yes			3-22-2015	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 50.00		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							50.00								
	8	RICE	LGR	I	GR			C	I	A	3.33		Yes			3-22-2015	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 50.00		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							50.00								
	9	SOYBN	COM	N	GR			C	IP	A	23.88		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 16.67		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							83.33								
	12	RICE	LGR	I	GR			C	I	A	46.09		Yes			3-20-2015	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 50.00		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							50.00								
	13	SOYBN	COM	N	GR			C	IP	A	11.31		Yes				01	

Tract Number	CLU/ Field	Crop/ Commodity	Variety/ Type	Irr Prc	Int Use	Actual Use	Land Use	Organic Status	C/C Status	Reporting Unit	Reported Quantity	Determined Quantity	Crop Land	Field ID	Official/ Measured	Planting Date	Planting Period	End Date
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 16.67		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							83.33								
	14	SOYBN	COM	N	GR			C	IP	A	83.11		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 16.67		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							83.33								
	15	RICE	LGR	I	GR			C	I	A	59.79		Yes			3-21-2015	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 50.00		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							50.00								
	16	FALOW		N				C	I	A	1.33		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 16.67		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							83.33								
	17	SOYBN	COM	N	GR			C	IP	A	21.98		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 16.67		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							83.33								
	19	RICE	LGR	I	GR			C	I	A	49.06		Yes			3-20-2015	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 50.00		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							50.00								
	21	FALOW		N				C	I	A	3.11		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 16.67		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							83.33								
	24	FALOW		N				C	I	A	4.02		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 16.67		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							83.33								
	31	SOYBN	COM	N	GR			C	IP	A	64.99		Yes				01	

REPORT OF COMMODITIES
FARM AND TRACT DETAIL LISTING

Tract Number	CLU/ Field	Crop/ Commodity	Variety/ Type	Irr Prc	Int Use	Actual Use	Land Use	Organic Status	C/C Status	Reporting Unit	Reported Quantity	Determined Quantity	Crop Land	Field ID	Official/ Measured	Planting Date	Planting Period	End Date
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 16.67		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							83.33								
	50	FALOW		N				C	I	A	2.06		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 16.67		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							83.33								
	51	FALOW		N				C	I	A	0.49		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC							Share 16.67		RMA Unit				NAP Unit	1319	
			HARMON & OHLENFORST							83.33								

Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated	Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated	Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated
RICE	LGR	I	GR		252.39	FALOW		N		11.01		SOYBN	COM	N	GR	205.27	

Photo Number/Legal Description:

Cropland: 468.67 Reported on Cropland: 468.67 Difference: 0.00 Reported on Non-Cropland: 0.00

Note: All cropland on all active tracts has not been reported.

Acadia, Louisiana

PROGRAM YEAR: 2015

FSA - 578 (02-01-91)

REPORT OF COMMODITIES
FARM SUMMARY

DATE: 7-23-2015
PAGE: 4

Farm Number: 8377

Original: _____
Revision: _____
Cropland: 501.75
Farmland: 620.63

Operator Name and Address

JOSEPH W FREELAND INTERESTS LLC
PO BOX 247
CROWLEY, LA 70527-0247

NOTE: The authority for collecting the following information is Pub.L 107-76. This authority allows for the collection of information without prior OMB approval mandated by the Paperwork Reduction Act of 1995. The data will be used to determine eligibility for assistance. Furnishing the data is voluntary, however, without it assistance cannot be provided. The data may be furnished to any agency responsible for enforcing the provisions of the Act.

Producer Name	C/C	Share	C/C	Share	C/C	Share	C/C	Share
HARMON & OHLENFORST	RICE	50.00	SOYBN	83.33	FALOW	83.33		
JOSEPH W FREELAND INTERESTS LLC	RICE	50.00	SOYBN	16.67	FALOW	16.67		

Crop/ Commodity	Variety/ Type	Irr Prac	Int Use	Rpt Exp	Det Exp	Rpt Pvt	Det Pvt	Rpt Vol	Det Vol	Rpt NA	Det NA
SOYBN	COM	N	GR			205.27					

Crop/ Commodity	Variety/ Type	Irrigation Practice	Intended Use	Reported Quantity	Determined Quantity	Crop/ Commodity	Variety/ Type	Irrigation Practice	Intended Use	Reported Quantity	Determined Quantity
RICE	LGR	I	GR	252.39		FALOW		N		11.01	

CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops/commodities and land uses listed herein are true and correct and that all required crops/commodities and land uses have been reported for the farms as applicable. Absent any different or contrary prior subsequent certification filed by any producer for any crop for which NAP coverage has been purchased, I certify that the applicable crop, type, practice, and intended use is not planted if it is not included on the Report of Commodities for this crop year. The signing of this form gives FSA representatives authorization to enter and inspect crops/commodities and land uses on the above identified land. A signature date (the date the producer signs the FSA-578) will also be captured.

Operator's Signature (By)

Date

This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, sex, age, marital status, or disability.

Acadia, Louisiana

PROGRAM YEAR: 2014

FSA - 578 (02-01-91)

REPORT OF COMMODITIES
FARM AND TRACT DETAIL LISTING

DATE: 7-23-2015
PAGE: 1

Farm Number: 8377

Original: _____
Revision: _____
Cropland: 501.75
Farmland: 620.63

Operator Name and Address

JOSEPH W FREELAND INTERESTS LLC
PO BOX 247
CROWLEY, LA 70527-0247

Tract Number	CLU/ Field	Crop/ Commodity	Variety/ Type	Irr Prc	Int Use	Actual Use	Land Use	C/C Status	Reporting Unit	Reported Quantity	Determined Quantity	Crop Land	Field ID	Official/ Measured	Planting Date	Planting Period	End Date
1385	1	FALOW		N				I	A	5.08		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	2	FALOW		N				I	A	8.95		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	3	FALOW		N				I	A	21.60		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	4	SOYBN	COM	N	GR			I	A	13.71		Yes			6-19-2014	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	5	SOYBN	COM	N	GR			I	A	35.34		Yes			6-19-2014	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	6	SOYBN	COM	N	GR			I	A	23.61		Yes			6-19-2014	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	7	SOYBN	COM	N	GR			I	A	21.46		Yes			6-19-2014	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	8	SOYBN	COM	N	GR			I	A	3.33		Yes			6-19-2014	01	

Tract Number	CLU/ Field	Crop/ Commodity	Variety/ Type	Irr Prc	Int Use	Actual Use	Land Use	C/C Status	Reporting Unit	Reported Quantity	Determined Quantity	Crop Land	Field ID	Official/ Measured	Planting Date	Planting Period	End Date
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	9	RICE	LGR	I				I	A	23.88		Yes			3-20-2014	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 50.00			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						50.00								
	12	SOYBN	COM	N	GR			I	A	46.09		Yes			6-18-2014	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	13	RICE	LGR	I				I	A	11.31		Yes			3-20-2014	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 50.00			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						50.00								
	14	RICE	LGR	I				I	A	83.11		Yes			3-20-2014	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 50.00			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						50.00								
	15	SOYBN	COM	N	GR			I	A	59.79		Yes			6-18-2014	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	16	FALOW		N				I	A	1.33		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	17	RICE	LGR	I				I	A	21.98		Yes			3-20-2014	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 50.00			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						50.00								
	19	SOYBN	COM	N	GR			I	A	49.06		Yes			6-18-2014	01	

Tract Number	CLU/ Field	Crop/ Commodity	Variety/ Type	Irr Prc	Int Use	Actual Use	Land Use	C/C Status	Reporting Unit	Reported Quantity	Determined Quantity	Crop Land	Field ID	Official/ Measured	Planting Date	Planting Period	End Date
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	21	FALOW		N				I	A	3.11		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	24	FALOW		N				I	A	4.02		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	31	RICE	LGR	I				I	A	64.99		Yes			3-20-2014	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 50.00			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						50.00								

Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated	Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated	Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated
FALOW		N		44.09		SOYBN	COM	N	GR	252.39		RICE	LGR	I			205.27

Photo Number/Legal Description: Not Applicable

Cropland: 501.75 Reported on Cropland: 501.75 Difference: 0.00 Reported on Non-Cropland: 0.00

Acadia, Louisiana

FSA - 578 (02-01-91)

Farm Number: 8377

REPORT OF COMMODITIES
FARM SUMMARY

PROGRAM YEAR: 2014

DATE: 7-23-2015
PAGE: 4

Original: _____
Revision: _____
Cropland: 501.75
Farmland: 620.63

Operator Name and Address

JOSEPH W FREELAND INTERESTS LLC
PO BOX 247
CROWLEY, LA 70527-0247

NOTE: The authority for collecting the following information is Pub.L 107-76. This authority allows for the collection of information without prior OMB approval mandated by the Paperwork Reduction Act of 1995. The data will be used to determine eligibility for assistance. Furnishing the data is voluntary, however, without it assistance cannot be provided. The data may be furnished to any agency responsible for enforcing the provisions of the Act.

Producer Name	C/C	Share	C/C	Share	C/C	Share	C/C	Share
HARMON & OHLENFORST	RICE	50.00	SOYBN	83.33	FALOW	83.33		
JOSEPH W FREELAND INTERESTS LLC	RICE	50.00	SOYBN	16.67	FALOW	16.67		

Crop/ Commodity	Variety/ Type	Irrigation Practice	Intended Use	Reported Quantity	Determined Quantity	Crop/ Commodity	Variety/ Type	Irrigation Practice	Intended Use	Reported Quantity	Determined Quantity
FALOW		N		44.09		SOYBN	COM	N	GR	252.39	
RICE	LGR	I		205.27							

CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops/commodities and land uses listed herein are true and correct and that all required crops/commodities and land uses have been reported for the farms as applicable. Absent any different or contrary prior subsequent certification filed by any producer for any crop for which NAP coverage has been purchased, I certify that the applicable crop, type, practice, and intended use is not planted if it is not included on the Report of Commodities for this crop year. The signing of this form gives FSA representatives authorization to enter and inspect crops/commodities and land uses on the above identified land. A signature date (the date the producer signs the FSA-578) will also be captured.

Operator's Signature (By)	Date

Acadia, Louisiana

FSA - 578 (02-01-91)

Farm Number: 7283

REPORT OF COMMODITIES
FARM AND TRACT DETAIL LISTING

PROGRAM YEAR: 2013

DATE: 7-23-2015
PAGE: 1

Original: _____
Revision: _____
Cropland: 501.75
Farmland: 1129.09

Operator Name and Address

JOSEPH W FREELAND
PO BOX 247
CROWLEY, LA 70527-0247

Tract Number	CLU/ Field	Crop/ Commodity	Variety/ Type	Irr Prc	Int Use	Actual Use	Land Use	C/C Status	Reporting Unit	Reported Quantity	Determined Quantity	Crop Land	Field ID	Official/ Measured	Planting Date	Planting Period	End Date
1385	1	GRASS	NAG	N	LS			IV	A	5.08		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share	16.67		RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST							83.33							
	2	GRASS	NAG	N	LS			IV	A	8.95		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share	16.67		RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST							83.33							
	3	GRASS	NAG	N	LS			IV	A	21.60		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share	16.67		RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST							83.33							
	4	RICE	LGR	I				I	A	13.71		Yes			3-15-2013	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share	50.00		RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST							50.00							
	5	RICE	LGR	I				I	A	35.34		Yes			3-15-2013	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share	50.00		RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST							50.00							
	6	RICE	LGR	I				I	A	23.61		Yes			3-15-2013	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share	50.00		RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST							50.00							
	7	RICE	LGR	I				I	A	21.46		Yes			3-15-2013	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share	50.00		RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST							50.00							
	8	RICE	LGR	I				I	A	3.33		Yes			3-15-2013	01	

Tract Number	CLU/ Field	Crop/ Commodity	Variety/ Type	Irr Prc	Int Use	Actual Use	Land Use	C/C Status	Reporting Unit	Reported Quantity	Determined Quantity	Crop Land	Field ID	Official/ Measured	Planting Date	Planting Period	End Date
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 50.00			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						50.00								
	9	SOYBN	COM	N	GR			I	A	23.88		Yes			5-17-2013	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	12	RICE	LGR	I				I	A	46.09		Yes			3-24-2013	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 50.00			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						50.00								
	13	SOYBN	COM	N	GR			I	A	11.31		Yes			5-18-2013	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	14	SOYBN	COM	N	GR			I	A	83.11		Yes			5-18-2013	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	15	RICE	LGR	I				I	A	59.79		Yes			3-18-2013	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 50.00			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						50.00								
	16	GRASS	NAG	N	LS			IV	A	1.33		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	17	SOYBN	COM	N	GR			I	A	21.98		Yes			5-17-2013	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	19	RICE	LGR	I				I	A	49.06		Yes			3-24-2013	01	

REPORT OF COMMODITIES
FARM AND TRACT DETAIL LISTING

Tract Number	CLU/ Field	Crop/ Commodity	Variety/ Type	Irr Prc	Int Use	Actual Use	Land Use	C/C Status	Reporting Unit	Reported Quantity	Determined Quantity	Crop Land	Field ID	Official/ Measured	Planting Date	Planting Period	End Date
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 50.00			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						50.00								
	21	GRASS	NAG	N	LS			IV	A	3.11		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	24	GRASS	NAG	N	LS			IV	A	4.02		Yes				01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								
	31	SOYBN	COM	N	GR			I	A	64.99		Yes			5-17-2013	01	
		Producer	JOSEPH W FREELAND INTERESTS LLC						Share 16.67			RMA Unit			NAP Unit	1319	
			HARMON & OHLENFORST						83.33								

Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated	Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated	Cr/Co	Var/Type	Irr Prc	Int Use	Non-Irrig	Irrigated
SOYBN	COM	N	GR	205.27		RICE	LGR	I			252.39	GRASS	NAG	N	LS	44.09	

Photo Number/Legal Description: Not Applicable

Cropland: 501.75 Reported on Cropland: 501.75 Difference: 0.00 Reported on Non-Cropland: 0.00

Acadia, Louisiana

FSA - 578 (02-01-91)

Farm Number: 7283

REPORT OF COMMODITIES
FARM SUMMARY

PROGRAM YEAR: 2013

DATE: 7-23-2015
PAGE: 4

Original: _____
Revision: _____
Cropland: 501.75
Farmland: 1,129.09

Operator Name and Address

JOSEPH W FREELAND
PO BOX 247
CROWLEY, LA 70527-0247

NOTE: The authority for collecting the following information is Pub.L 107-76. This authority allows for the collection of information without prior OMB approval mandated by the Paperwork Reduction Act of 1995. The data will be used to determine eligibility for assistance. Furnishing the data is voluntary, however, without it assistance cannot be provided. The data may be furnished to any agency responsible for enforcing the provisions of the Act.

Producer Name	C/C	Share	C/C	Share	C/C	Share	C/C	Share
HARMON & OHLENFORST	RICE	50.00	SOYBN	83.33	GRASS	83.33		
JOSEPH W FREELAND INTERESTS LLC	RICE	50.00	SOYBN	16.67	GRASS	16.67		

Crop/ Commodity	Variety/ Type	Irr Prac	Int Use	Rpt Exp	Det Exp	Rpt Pvt	Det Pvt	Rpt Vol	Det Vol
GRASS	NAG	N	LS					44.09	

Crop/ Commodity	Variety/ Type	Irrigation Practice	Intended Use	Reported Quantity	Determined Quantity	Crop/ Commodity	Variety/ Type	Irrigation Practice	Intended Use	Reported Quantity	Determined Quantity
SOYBN	COM	N	GR	205.27		RICE	LGR	I		252.39	

CERTIFICATION: I certify to the best of my knowledge and belief that the acreage of crops/commodities and land uses listed herein are true and correct and that all required crops/commodities and land uses have been reported for the farms as applicable. Absent any different or contrary prior subsequent certification filed by any producer for any crop for which NAP coverage has been purchased, I certify that the applicable crop, type, practice, and intended use is not planted if it is not included on the Report of Commodities for this crop year. The signing of this form gives FSA representatives authorization to enter and inspect crops/commodities and land uses on the above identified land. A signature date (the date the producer signs the FSA-578) will also be captured.

Operator's Signature (By)

Date