

EXHIBIT 11- WETLANDS DELINEATION

(Narrative Report and Overall Map Only)

(Full Report is in Volume 2)

Pittman Environmental Services, LLC

P.O. Box 1926 ▪ Purvis, MS 39475 ▪ Phone: 601-297-2487

**Preliminary Wetland Delineation
England Site W2
Approximately 866.8 Acres
Rapides Parish, Louisiana**

February 12, 2015

INTRODUCTION

At the request of the Pan American Engineers, a preliminary wetland delineation has been conducted for approximately 866.8 acres located in Sections 39, 71, 72, & 73, Township 4 North, Range 2 West, Rapides Parish Louisiana. The site is bound by Big Bayou to the north and Bayou Rapides to the south. The site is bound by Jimmy Brown Road to the east. A recent Jurisdictional Determination (MVK-2013-00204-SC) has been made for property east of Jimmy Brown Road. The center coordinates of the site are 31.337731, -92.576416. The attached maps depict the exact location and extent of the approximately 866.8 acre site. This report will describe the results of a preliminary wetland delineation conducted for the said property to determine the presence and approximate extent of jurisdictional wetlands and “waters of the U.S.” as defined in Section 404 of the Clean Water Act. The onsite wetland delineation was conducted by Mr. Bart Pittman on January 20, 2015.

SITE DESCRIPTION

The ±866.8 acre site is comprised of one contiguous parcel. The ±866.8 acre parcel is bound by Big Bayou to the north and Bayou Rapides to the south. The entire ±866.8 acre site has been used as crop land for 50+ years. The majority of last year’s row crop appears to have been cotton. The row crop fields are well drained by a series of swales, farm ditches, and roadside ditches. Jimmy Brown Road bounds the site to the east. Rapides Station Road transects the western limits of the site. The site is nearly level to slightly sloping. The NRCS Web Soil Survey indicates the primary soil units within the site as Moreland Clay (MnA) and Coushatta silt loam (Nw), both non-hydric soil types. Pictures (**Attachment 2**) depict the current site conditions.

METHODOLOGY & RESULTS

Methods utilized for identifying and delineating wetlands follow procedures outlined in Part IV of the “Corps of Engineers Wetlands Delineation Manual” dated January 1987 and the Atlantic/Gulf Cost Plain Regional Supplement. Wetland Delineation Data Forms (Atlantic and Gulf Cost Plain Region) were completed for each vegetative community represented within the property. These attached data forms (**Attachment 3**) provide a listing of parameters/indicators to differentiate jurisdictional wetlands from non-wetlands. The completed forms confirm the

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presence or absence of the three required wetland criteria; hydrophytic vegetation, wetland hydrology, and hydric soils. The approximate location of each data point is shown on the attached preliminary wetland delineation map, (**Attachment 1**).

The ±866.8 acre site is comprised of row crop farm land that was most recently planted with cotton. This area has been used as row crop for at least 50+ years. The northern portions of the site are comprised of Moreland clay while the southern limits of the site exhibited a silty loam texture. A series of ditches and swales have been constructed to remove storm-water from the crop land. The drainage ditches appear to be active for only brief periods following heavy rain events. No jurisdictional wetlands were delineated within the row crop. Any wetlands that may have been historically present have been converted by decades of row crop farming and drainage improvements.

Approximately 3,296 linear feet of Big Bayou is located along the northern limits of the site. Big Bayou is mostly open channel with areas of vegetated shelves and fringe wetlands. The vegetated wetland areas are located below the ordinary high water mark and subject to frequent flooding. Big Bayou and its associated fringe wetlands comprise approximately 4.74 acres of the delineated area. No wetlands were delineated above the top-bank of Big Bayou. One intermittent stream transects the site for approximately 1,256 linear feet. This stream flows into Big Bayou at the northwest limits of the site. This stream has been historically disturbed by realignment. No riparian buffers exist to this stream within the site and one existing crossing was observed.

SUMMARY

Based upon careful review of all available data and an onsite inspection, jurisdictional areas within the site include approximately 3,296 LF/4.74 acres of Big Bayou/fringe wetland, and approximately 1,256 LF of intermittent stream. No jurisdictional wetland was delineated above the top-bank of Big Bayou. The attached wetland delineation data forms (**Attachment 3**) confirm the conclusion of the preliminary study, indicating the presence or absence of sufficient wetland criteria at each data point. The location of delineated areas and of the data points are shown on the preliminary wetland delineation maps, **Attachment 1**.

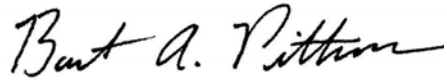
This wetland delineation is preliminary and should not be interpreted as a final determination. The responsibility of a final wetland determination is that of the U.S. Army Corps of Engineers, New Orleans District.

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Please call (601)-297-2487 if you have any questions or need additional information regarding this study.

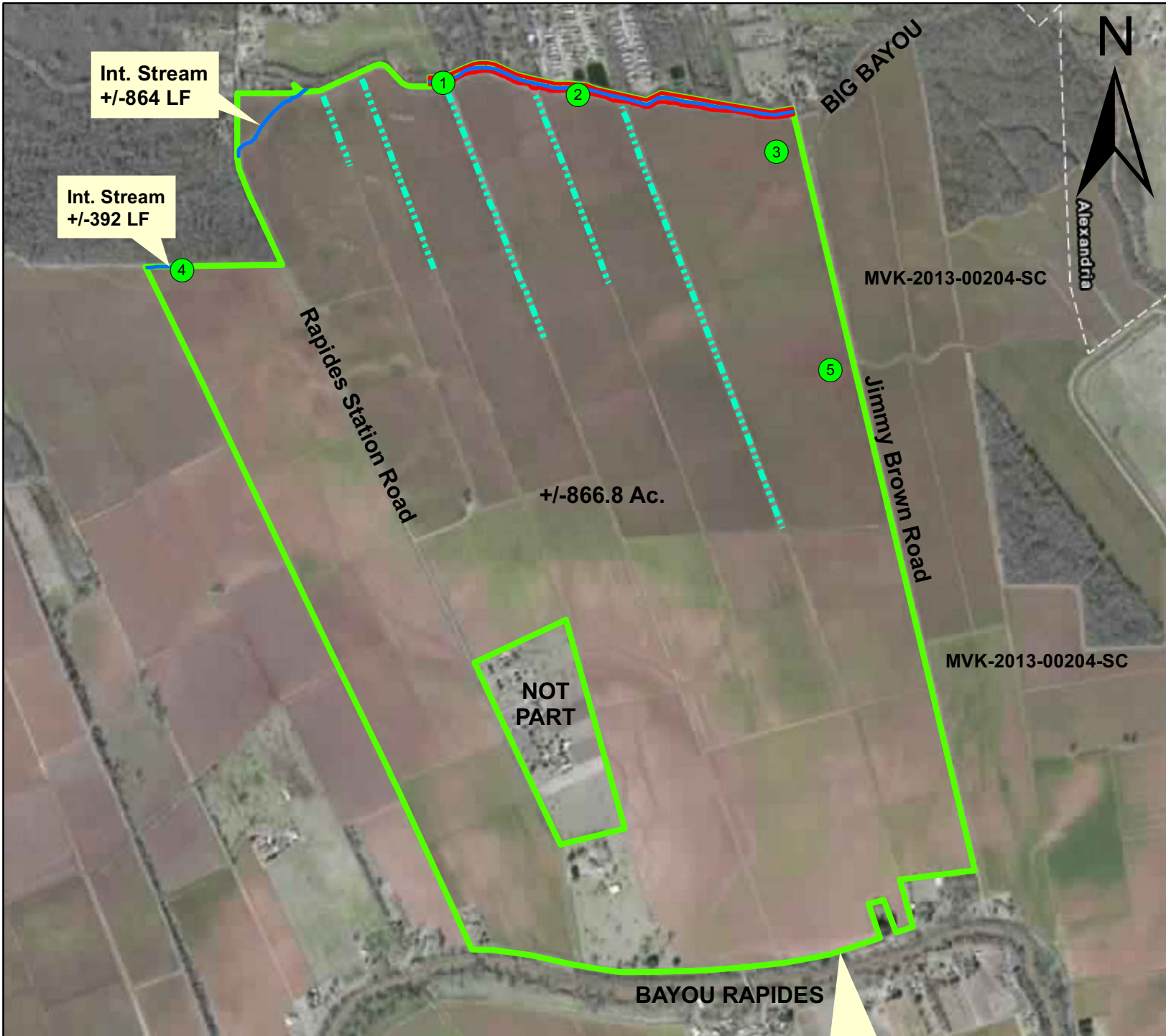
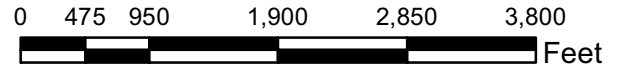
Sincerely,

A handwritten signature in black ink that reads "Bart A. Pittman". The signature is written in a cursive style with a large initial 'B' and a long, sweeping underline.






Bart A. Pittman
Environmental Specialist
Pittman Environmental Services, LLC

PRELIMINARY WETLAND DELINEATION
England Site W2, +/-866.8 Acers
Sections 39, 71, 72, 73, (T-4N, R-2W) Rapides Parish
(31.337731, -92.576416)

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Legend

-  Delineation Limits +/-866.8 Acres
-  Big Bayou: Wetland/OWs +/-3,296 LF, 4.74 Acres
-  Jurisdictional Stream +/-1,256 LF
-  Ephemeral Farm Ditch (Non-Jurisdictional)
-  Data Points

Delineation Limits
 North Side of Road

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