

JOINT PUBLIC NOTICE

May 19, 2014

United States Army
Corps of Engineers
New Orleans District
Regulatory Branch
Post Office Box 60267
New Orleans, La. 70160-0267

State of Louisiana
Department of Environmental Quality
Post Office Box 4313
Baton Rouge, La. 70821-4313
Attn: Water Quality Certifications

(504) 862-2548/ FAX (504) 862-2574
Project Manager
Johnny Duplantis
Permit Application Number
MVN-2014-00692-WPP

(225) 219-3225/FAX (225) 325-8250
Project Manager
Elizabeth Johnson
WQC Application Number
WQC # 140514-01

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality, for a Water Quality Certification (WQC) in accordance with statutory authority contained in Louisiana Revised Statutes of 1950, Title 30, Chapter 11, Part IV, Section 2074 A(3) and provisions of Section 401 of the Clean Water Act (P.L.95-17).

PROPOSED CONSTRUCTION OF ETHYLENE PLANT IN CALCASIEU PARISH

NAME OF APPLICANT: Axial Corporation, c/o: CH2M HILL, 700 Main Street, Suite B, Baton Rouge, Louisiana 70802.

DESCRIPTION: Proposed construction of the Axial Corporation Ethylene Plant to include:
1) Plant Site – clear/grade, excavate, and/or fill an approximately 260 acres site, including 108 acres of jurisdictional wetlands. Approximately 1,000,000 cubic yards of material would be excavated from the site and transported to an upland disposal area offsite. Approximately 1,700,000 cy of clean fill would be discharged to build up the site elevation. 2) Entrance Road – An entrance road would be constructed along the northwest side of the site from the existing Bayou d’Inde Pass Road. Approximately 1,600 cy of fill would be deposited, impacting 0.1 acre of jurisdictional forested wetlands. 3) Barge Slip Area – A proposed 460 feet by 280 feet barge slip would be constructed to include a bulkhead and paved apron. Approximately 17,000 cy of excavated material be removed from jurisdictional wetlands and 46,000 cy would be removed from open waters for construction of the barge slip and apron. Approximately 0.74 acre of jurisdictional forested wetland would be permanently impacted by construction of the barge slip, bulkhead, paved apron, and construction work areas. 4) Heavy Haul Road – A 50 feet wide heavy equipment access road would be constructed between the barge slip and the plant site. The road site would be mechanically cleared of vegetation and then grubbed and graded to a final average elevation of 8 feet NAVD 88. Approximately 2,500 cy of clean fill would be deposited onto 0.73 acre of jurisdictional forested wetlands. 5) Elevated Pipeline – An elevated pipeline would be laid on an existing pipe rack, which would join the existing and proposed facilities. Impacts to approximately 0.60 acre of jurisdictional forested wetlands would occur as a result of the elevated pipeline construction. 6) Permittee Responsible Mitigation Plan (PRMP) –

A PRMP for offsite mitigation has been developed to offset unavoidable wetland impacts. A copy of the proposed PRMP is attached to this JPN for review.

LOCATION: Located at Latitude 30.218, Longitude -93.302, Section(s) 3, 4, 5, and 8, Township 10 South, Range 9 West, near Lake Charles, Louisiana, in Calcasieu Parish. The Project is located within the Lower Calcasieu Watershed, Hydrologic Unit 08080206.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 5:00 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or

destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of 0.74 acre(s) of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality, before a permit is issued.

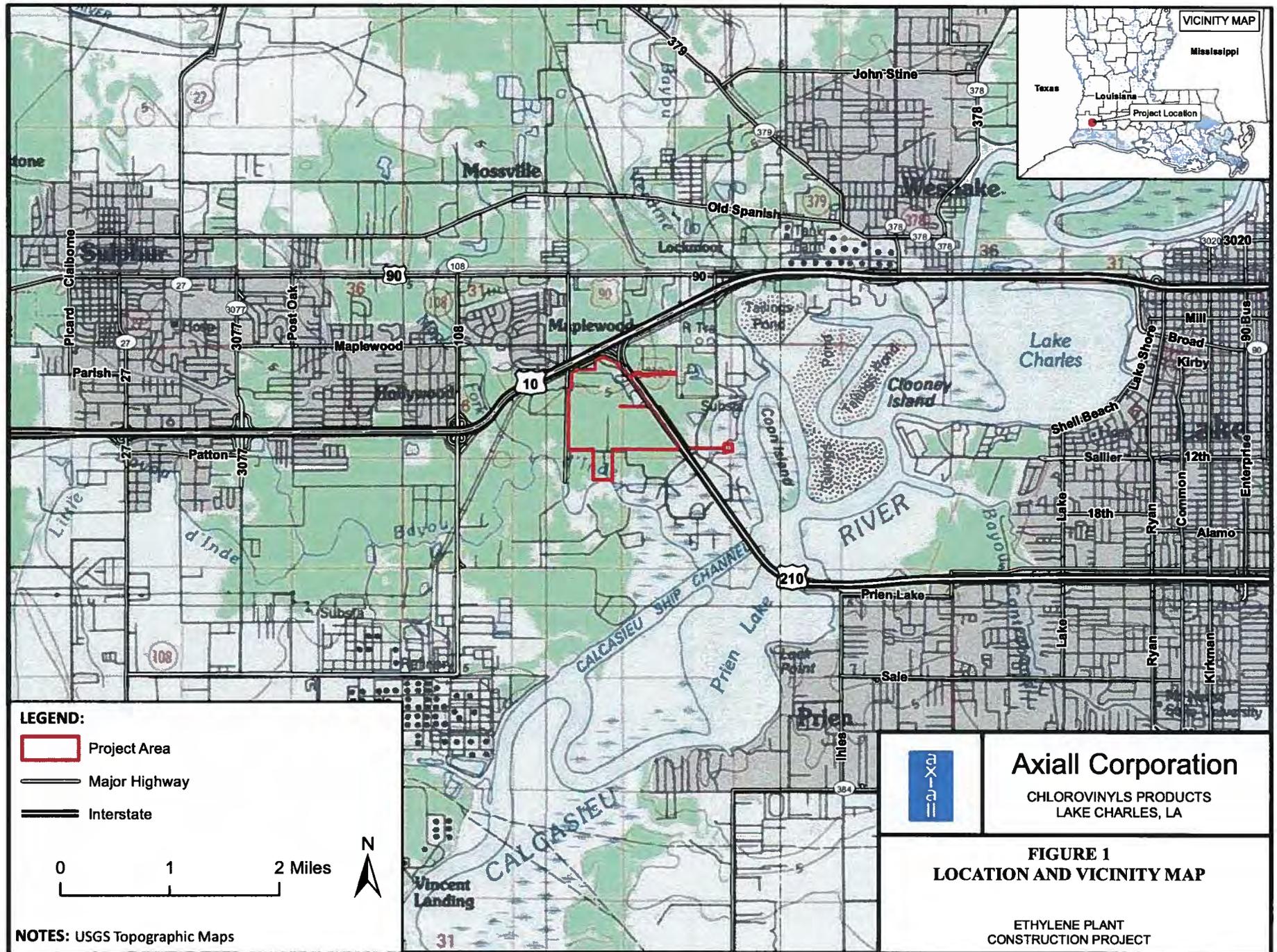
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

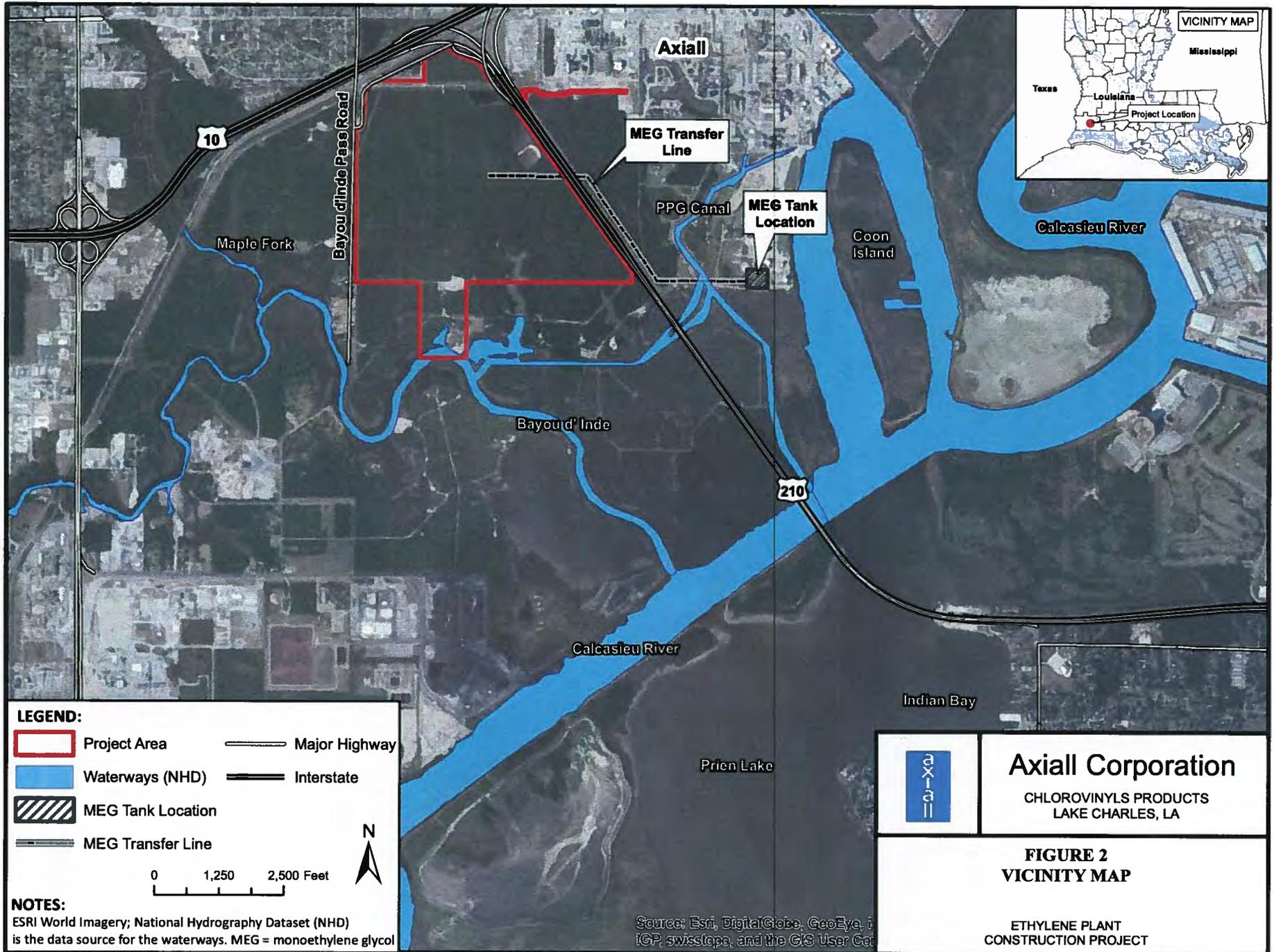
You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

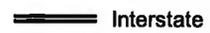
Darrell S. Barbara
Chief, Western Evaluation Section
Regulatory Branch

Attachments





LEGEND:

 Project Area	 Major Highway
 Waterways (NHD)	 Interstate
 MEG Tank Location	
 MEG Transfer Line	

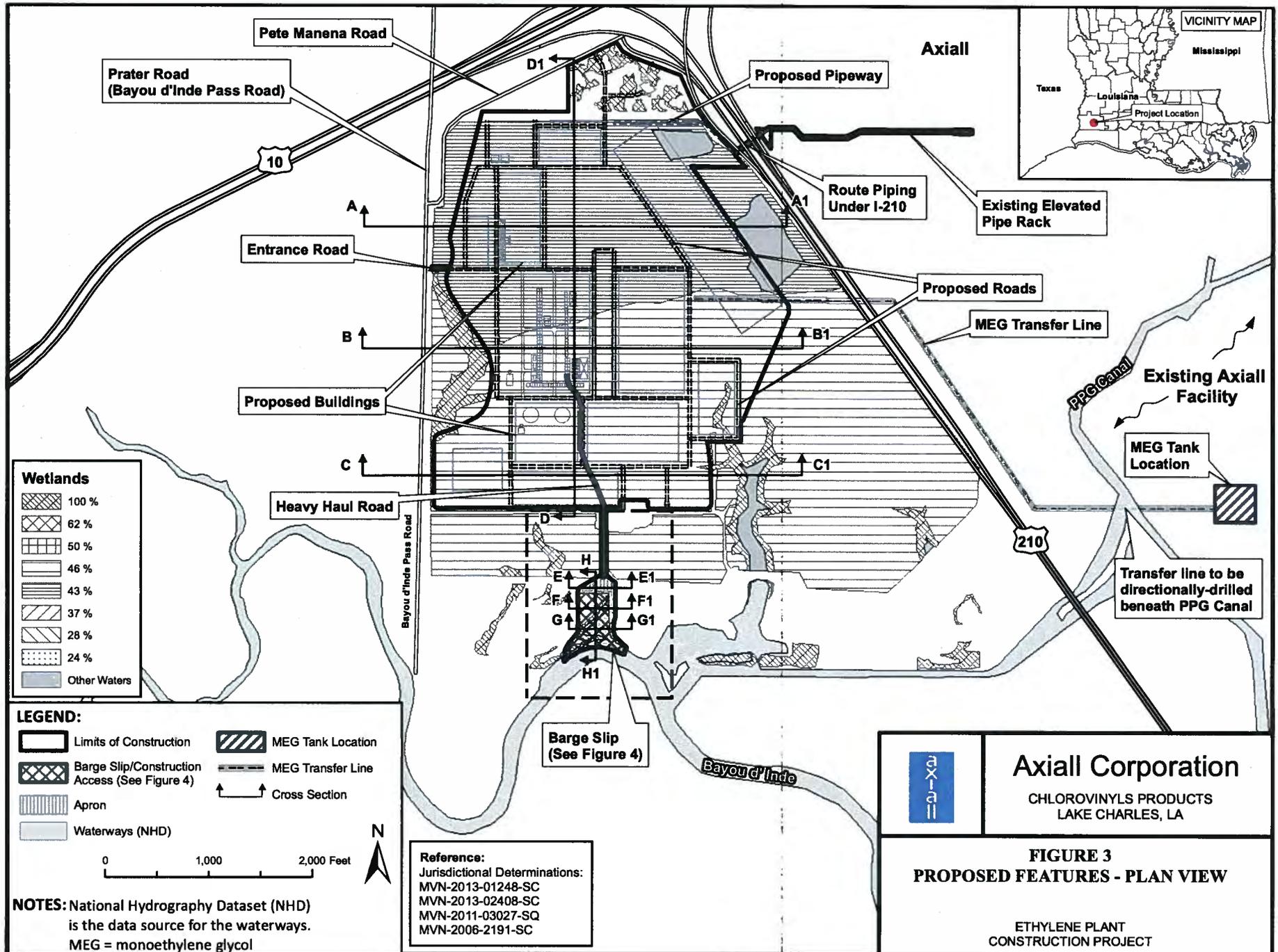


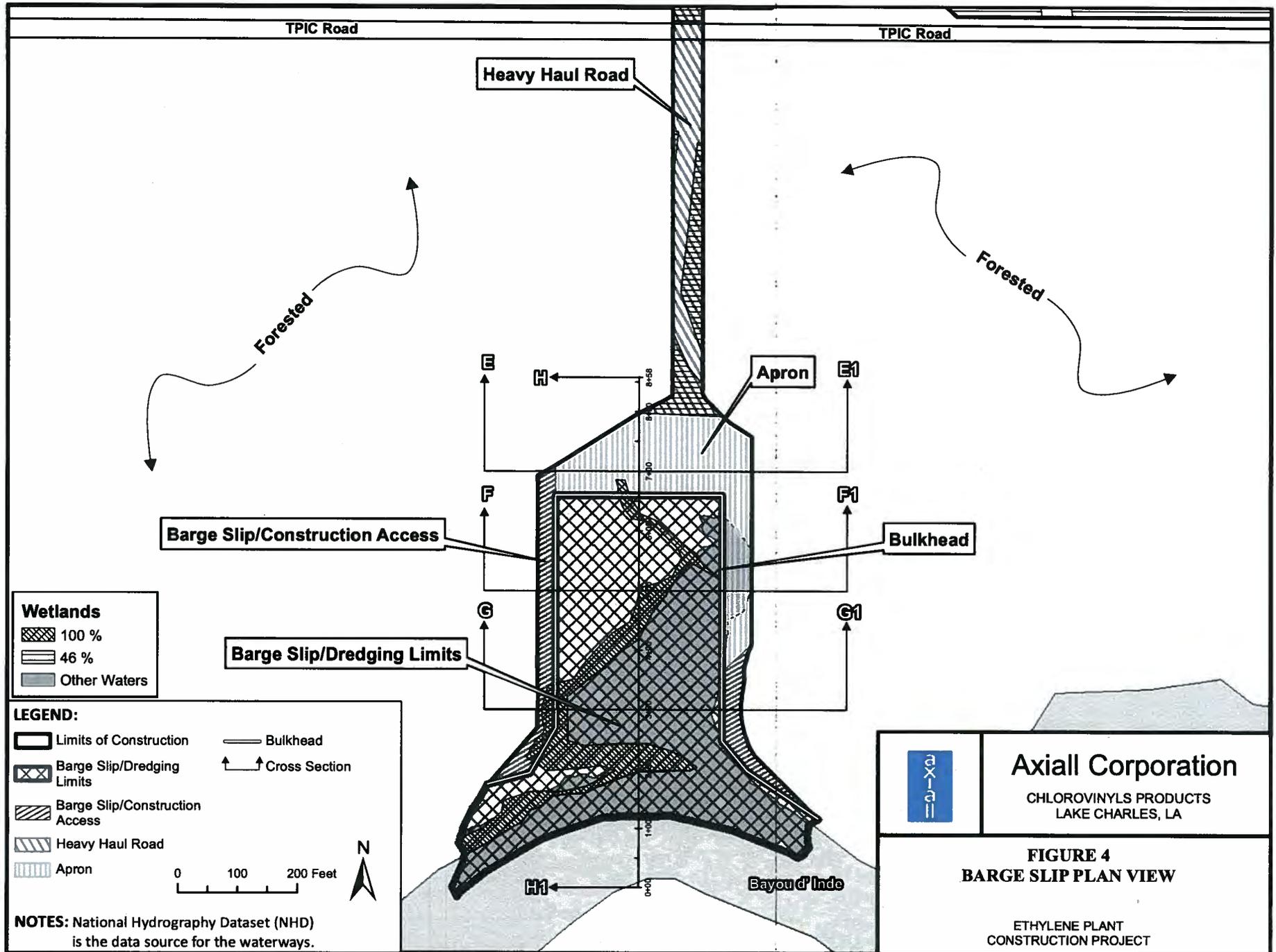
NOTES:
 ESRI World Imagery; National Hydrography Dataset (NHD) is the data source for the waterways. MEG = monoethylene glycol

	Axial Corporation CHLOROVINYLS PRODUCTS LAKE CHARLES, LA
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FIGURE 2 VICINITY MAP
ETHYLENE PLANT CONSTRUCTION PROJECT

Source: Esri, DigitalGlobe, GeoEye, IGP, swisstopo, and the GIS User Co





Wetlands

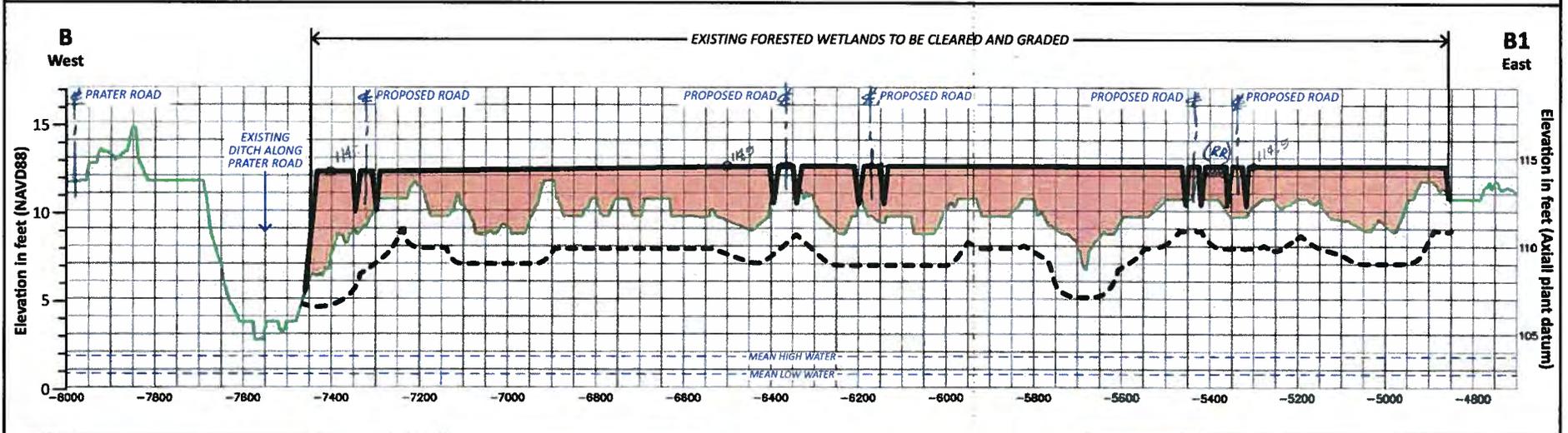
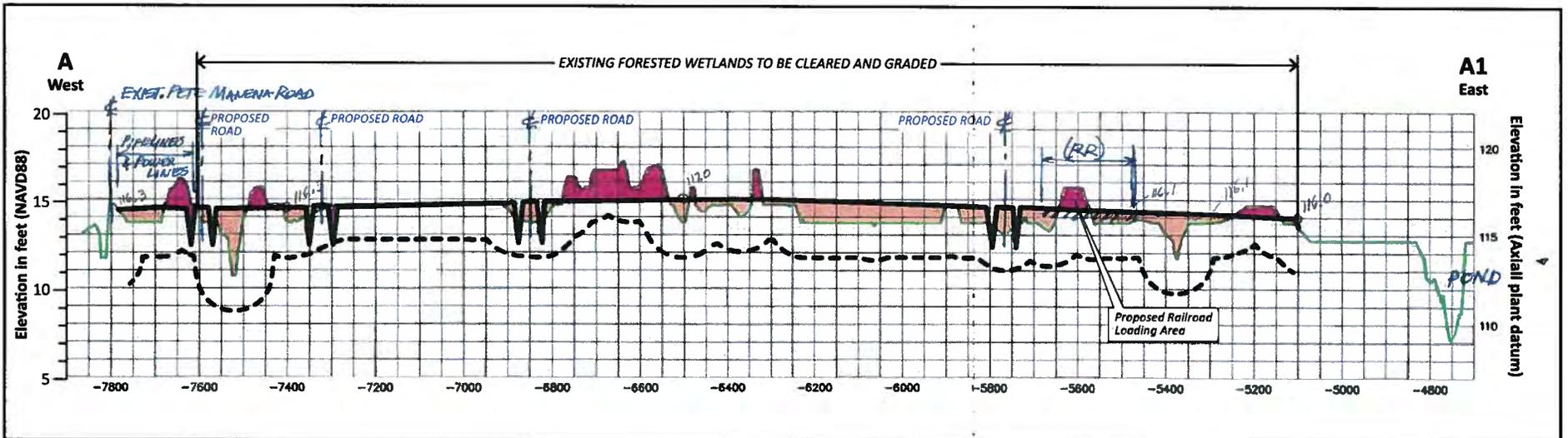
	100 %
	46 %
	Other Waters

LEGEND:

	Limits of Construction		Bulkhead
	Barge Slip/Dredging Limits		Cross Section
	Barge Slip/Construction Access		
	Heavy Haul Road		
	Apron		

NOTES: National Hydrography Dataset (NHD) is the data source for the waterways.

	Axial Corporation CHLOROVINYLS PRODUCTS LAKE CHARLES, LA
	FIGURE 4 BARGE SLIP PLAN VIEW ETHYLENE PLANT CONSTRUCTION PROJECT



LEGEND:

- Existing grade
- Fill material
- Cut material
- Final grade
- Initial excavation (approximately 2 feet of soil below existing grade to be removed)

0 5 10

Vertical scale in feet

0 200 400

Horizontal scale in feet

NOTES: Mean high water = 1.9 feet NAVD88; mean low water = 0.9 feet NAVD88.

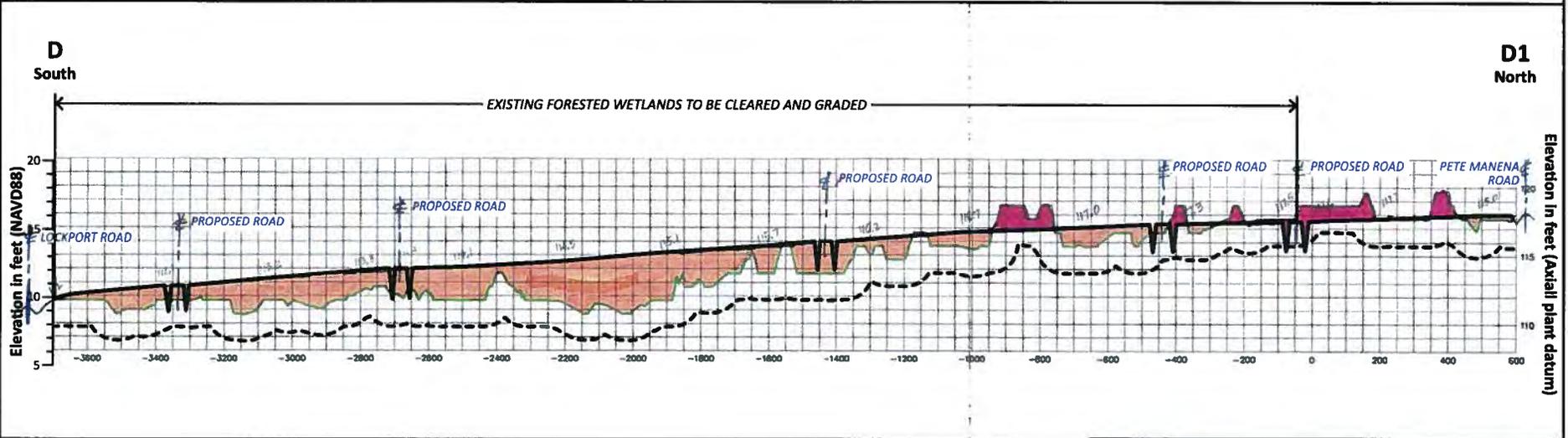
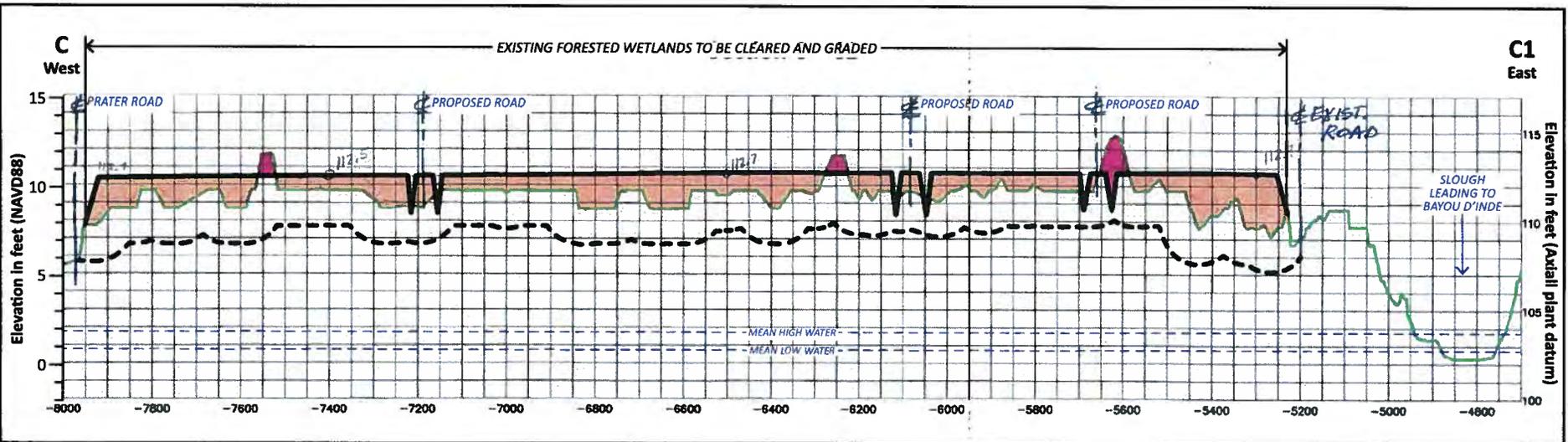
Axial Corporation

CHLOROVINYLS PRODUCTS
LAKE CHARLES, LA

FIGURE 5

CROSS SECTIONS A-A1 AND B-B1

ETHYLENE PLANT
CONSTRUCTION PROJECT



LEGEND:

- Existing grade
- Final grade
- Fill material
- Initial excavation (approximately 2 feet of soil below existing grade to be removed)
- Cut material

0 5 10

Vertical scale in feet, Section C

0 5 10

Vertical scale in feet, Section D

0 200 400

Horizontal scale in feet, Section C

0 200 400

Horizontal scale in feet, Section D

NOTES: Mean high water = 1.9 feet NAVD88; mean low water = 0.9 feet NAVD88.

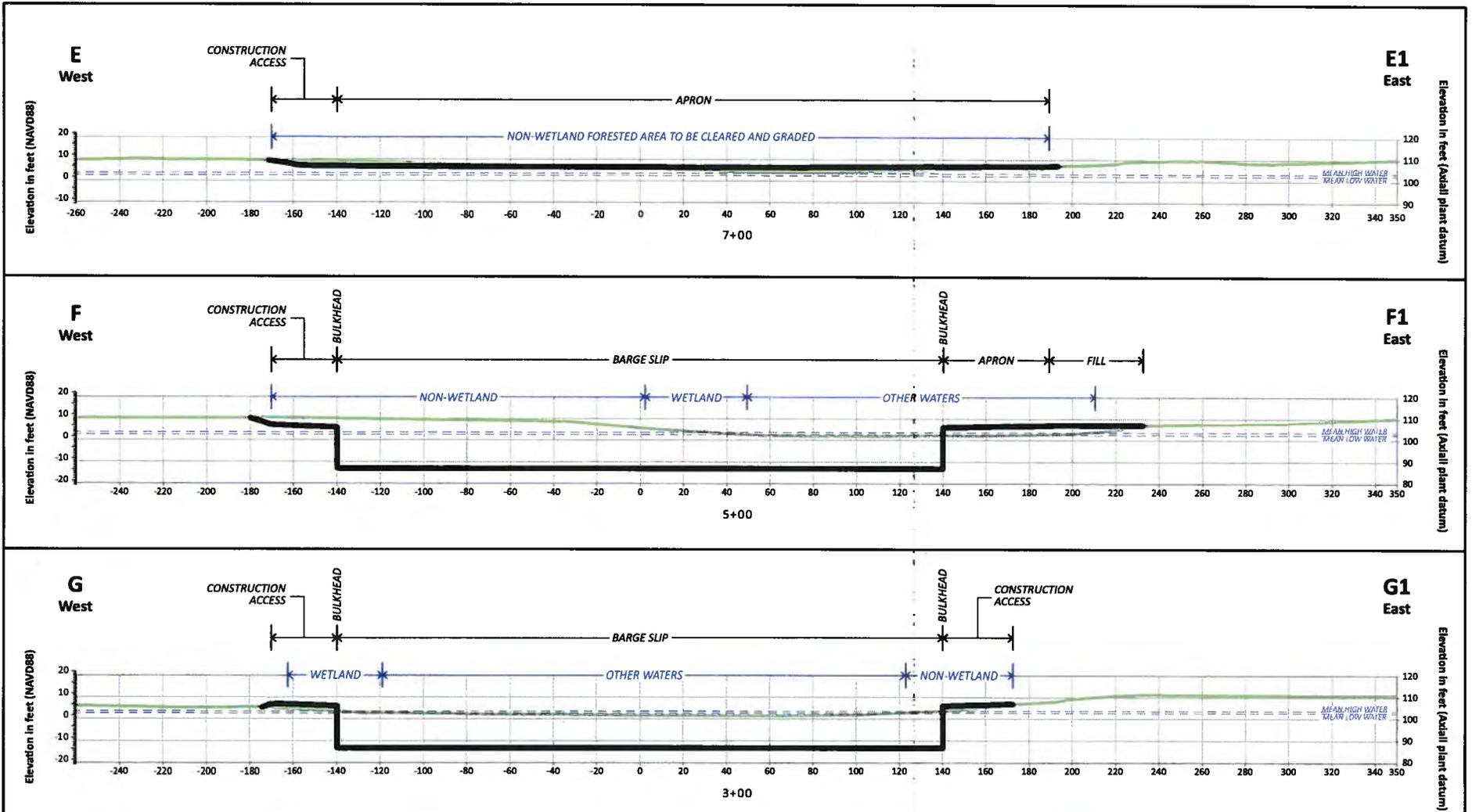
Axiall Corporation

CHLOROVINYLS PRODUCTS
LAKE CHARLES, LA

FIGURE 6

CROSS SECTIONS C-C1 AND D-D1

ETHYLENE PLANT
CONSTRUCTION PROJECT



LEGEND:
 Existing grade
 Final grade

0 20 40 60
 Vertical scale in feet

0 20 40 60
 Horizontal scale in feet

NOTES: Mean high water = 1.9 feet NAVD88; mean low water = 0.9 feet NAVD88.
 Barge slip bottom elevation = -15.03 feet NAVD88 (86.8 feet Axial plant datum).



Axial Corporation

CHLOROVINYLS PRODUCTS
 LAKE CHARLES, LA

FIGURE 7
BARGE SLIP CROSS SECTIONS (E, F & G)

ETHYLENE PLANT
 CONSTRUCTION PROJECT

ATTACHMENT D
PERMITTEE-RESPONSIBLE MITIGATION PLAN
Ethylene Plant Expansion Project

[MVN Permit Number]

Permittee-Responsible Mitigation Plan for
[MVN Permit Number]

Calcasieu Parish Louisiana

1/29/2014

Axiall Corporation
P.O. Box 1000 Lake Charles, LA 70602

Prepared By
Stream Wetland Services, L.L.C.
P.O. Box 40
Lake Charles, LA
70602



STREAM
WETLAND SERVICES

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1. Introduction

Stream Wetland Services, L.L.C. (SWS) submits this Permittee Responsible Mitigation Plan (PRMP) for Axiall Corporation (Axiall) to the United States Army Corp of Engineers-New Orleans District (CEMVN). The goal of the PRMP is to re-establish and rehabilitate 255.3 acres of bottomland hardwood habitat within a 606 acre site.

1.1. Responsibilities of Parties

1.1.1. Mitigation Site Owner (Owner)

1.1.1.1. The Owner (Stream Wetland Services, L.L.C.) through the permittee will furnish satisfactory evidence of clear title prior to the execution of this Permittee-Responsible Mitigation Plan (PRMP).

1.1.1.2. The Owner will grant a perpetual conservation servitude over the Mitigation Site in accordance with Louisiana law and La. R. S. 9:1272. Upon execution of the conservation servitude, the Owner will record it with an attached copy of the permit for the impact project and this PRMP in the conveyance records of Calcasieu, Parish, unless such conservation servitude was previously executed and properly recorded by a former owner pursuant to this PRMP. Proof of such recordation will be provided to CEMVN, Regulatory Branch, within 15 days of filing.

1.1.1.3. The Owner will not allow any prohibited uses of the Mitigation Site as set forth in the PRMP and the conservation servitude.

- 1.1.1.4. To avoid the risk of possession by a financial institution, the Owner will not identify the Mitigation Site as collateral for any business transaction.
- 1.1.1.5. The Owner will allow the permittee or his/responsible party/contractor access to the Property. Any limitations on such access are to be a matter of contract between the Owner and the permittee. The Owner will also allow access to the Mitigation Site to CEMVN and the Holder of the Conservation Servitude in accordance with this PRMP.
- 1.1.1.6. The Owner will make periodic inspections of the Mitigation Site of not less than once per year to verify that use of the Property is consistent with this PRMP and the conservation servitude.
- 1.1.1.7. In the event the Owner discovers a prohibited use or any damage to the Mitigation Site, CEMVN, shall be notified in accordance with the provisions of this PRMP.
- 1.1.1.8. The Owner will be responsible for advising the Permittee and CEMVN of any pending sale of the Mitigation Site or any other change in ownership at least 60 days prior to the effective site.

1.1.2. The Permittee

- 1.1.2.1. The Permittee (Axiall) is responsible for the compensatory mitigation requirement in the impact project's DA permit which is associated with this PRMP which includes, but is not limited to 1) the compensatory mitigation project on the Mitigation Site, and 2) the long-term management, maintenance, monitoring, and protection of the Mitigation Site. Upon transfer of the permit the new Permittee will then assume the responsibility of the present Permittee.
- 1.1.2.2. The Permittee will perform all necessary work to establish, monitor and maintain aquatic habitats and buffers as described in the PRMP.
- 1.1.2.3. The Permittee will be responsible for maintaining all records, monitoring the Mitigation Site for success, conducting remedial action as necessary to ensure success, and providing this information to CEMVN in reports documenting Mitigation Site usage and the results of monitoring in accordance with provisions in this PRMP.
- 1.1.2.4. The Permittee will be responsible for advising CEMVN of any pending sale of the Mitigation Site or any other change in ownership at least 60 days prior to the effective site.

1.1.2.5. The Permittee will obtain all appropriate environmental documentation, permits and other authorizations needed to establish and maintain the Mitigation Site. Compliance with this PRMP does not fulfill the requirement, or substitute, for such authorization.

1.1.3. Holder of the Conservation Servitude (Holder)

1.1.3.1. The Holder shall hold and enforce the conservation servitude placed on those lands within the Mitigation Site subject to a recorded perpetual conservation servitude so that the Mitigation Site is protected in perpetuity.

1.1.3.2. The Holder will notify CEMVN within 24 hours of the discovery of any action taken to void or modify the conservation servitude.

1.1.3.3. The Holder shall perform yearly inspections and provide annual reports as to compliance with restricted and approved uses of the Mitigation Site identified in the conservation servitude.

2. Impact Site

2.1. Location

The impact site is located in Calcasieu Parish, Louisiana. The project center is located approximately at N 30 13' 03.66" W -93 18' 03.11". The site is within Sections 4, 5, 8 and 9 of Township 10S Range 9W.

2.2. Avoidance and Minimization of Impacts

The permittee has minimized impacts to wetlands by avoiding a majority of the tidally influenced 100% wetlands; denoted in the Jurisdictional Determination (JD), see Appendix B. The footprint of the proposed site has been designed so not to interfere or impact the functions of these valuable wetlands.

2.3. Existing Conditions of the Impact Site

Currently, the impact site can be described as a mixed pine-hardwood forest that that contains a "pimple-mounded" topography. The existing vegetation at the site reflects the variation in elevation between the mounds and intermounds. The lower intermound areas contain numerous species such as water oak, sweetgum and dwarf palmetto. Vegetation commonly found on the elevated pimple-mounds includes magnolia trees, loblolly pine, various shrubs, vines, and forbs that comprise the understory.

2.4. Impact Details

2.4.1. Description of impacts

The CEMVN has determined that the proposed work for MVN _____ will unavoidably impact 110 acres of mixed pine-hardwood jurisdictional wetlands and 0.4 acres tidal wetlands. There will be permanent habitat losses within the proposed project footprint.

2.4.2. Assessment method(s)

The Modified Charleston Method (MCM) developed by the New Orleans district Corp of Engineers was used to quantify the impacts to aquatic resource functions. The MCM evaluation was conducted by Corps' personnel.

2.4.3. Land Use

2.4.3.1. Impact Site Setting

The impact site is located on adjacent to and west of I-210 in sections 4, 5, 8, and 9 Township 10 South, Range 9 West, Calcasieu Parish, Louisiana. The site is located to the Southeast of Sulphur, LA and to the Southwest of Westlake, LA. The Calcasieu River is located to the South of the project site.

2.4.3.2. Current Land Use

Currently the impact site is in its natural state as a mixed pine-hardwood forest with tidally influenced wetlands that intersect portions of the property.

2.4.4. Soils

The following soil types have been identified at the impact site.

Kinder-Messer silt loams (Kd) are level and gently sloping, poorly drained and moderately well drained. They are on the terraces uplands. The landscape consists of broad flats that have many low mounds. The mounds are circular and range from 30-50 feet in diameter and from 1 to 6 feet in height. Individual areas of the is complex range from 30 to 1,500 acres and contain about 60 percent Kinder soils and about 30 percent Messer soils. The poorly drained Kinder soil is in the intermound areas and the moderately well drained Messer soil is on the mounds or mother mound areas. (NRCS Soil Survey, Calcasieu Parish, 2008).

The Kinder soil is low in fertility and high in exchangeable aluminum levels that are potentially toxic to most crops. Water and air move through this soil slowly. Water runs off the surface slowly and stands in low places for short periods after heavy rain, A seasonal high water table fluctuates between a depth of about 2 feet and the soil surface during December through April. (NRCS Soil Survey, Calcasieu Parish, 2008).

Guyton-Messer silt loams (Gy) are level and gently sloping, poorly drained and moderately well drained. They are on the terrace uplands. The landscape consists of broad flats that have many small, convex mounds. The mounds are circular and range from 50 to 150 feet in diameter and from 1 to 4 feet in height. The Guyton soil is located in the intermound areas and typically comprises 55% of the complex. The Messer soil is located on the mounds and typically comprises 35% of the complex. Slopes range from about 0 to 1 percent on the intermound areas and from about 1 to 5 percent on the mounds. According to the soil survey, areas are irregular in shape and range from 40 to 1,500 acres. (NRCS Soil Survey, Calcasieu Parish, 2008).

The Guyton soil has low fertility and high exchangeable aluminum levels that are potentially toxic to most crops. Water and air move through this soil slowly. Wetness restricts root development of many plants. Water runs off the surface slowly and stands in low places for short periods after heavy rains. A seasonal high water table fluctuates between a depth of about 1.5 feet and the soil surface during December through May. This soil is subject to short periods of flooding during unusually severe rainstorms. The surface layer of this soil remains wet for long periods after heavy rain. (NRCS Soil Survey, Calcasieu Parish, 2008).

The Messer soil is low in fertility and high in exchangeable aluminum levels that are potentially toxic to most crops. Water and air move through this soil slowly. Water runs off the surface at a medium rate. A seasonal high water table fluctuates between depths of about 2 and 4 feet during December through May. Plant roots penetrate this soil easily. (NRCS Soil Survey, Calcasieu Parish, 2008).

Clovelly muck (CO) is very fluid organic soils that are level and very poorly drained. It is in brackish marshes along major drainageways and it is ponded and flooded most of the time. Many areas are intermittently submerged and appear as small to large lakes. (NRCS Soil Survey, Calcasieu Parish, 2008).

2.4.5. Hydrology

A wetland determination was performed in May of 2013. Results from this determination showed evidence of wetland hydrology. Primary indicators such as

inundated areas, saturated soil in the upper 12 inches, free water in the soil, water marks, drainage patterns of wetlands, and sediment deposits were noted on portions of the property. Secondary indicators were also present on portions of the property.

On July 10, 2013, a brief field inspection by the CEMVN was performed as part of a JD for the proposed impact site. Results from this JD concluded that a portion of this property is 100% wetlands, part of the property is 46% wetlands and part of the property is 43% wetlands. The remainder of the property is nonwetland. A copy of the JD can be found in Appendix A.

2.4.5.1. Existing Drainage Patterns

The existing drainage is affected by the tidal wetlands that intersect the project footprint and by drainage improvements associated with the I-210 corridor to the east. Drainage improvements that border the site have altered the adjacent project site perimeter. Interior wetlands such as intermittent mound topographic areas remain unimproved and are naturally slow to drain. These intermittent wetlands still display their historical wetland functions.

2.4.6. Vegetation

2.4.6.1. Existing Plant Community

The typical dominant plant species that were encountered during the delineation include the following facultative and facultative wet species.

FACULTATIVE

- *Magnolia grandiflora* (Large Flower Magnolia)
- *Liquidambar styraciflua* (Sweetgum)
- *Triadica sebifera* (Chinese Tallow)
- *Toxicodendron radicans* (Poison Ivy)
- *Acer rubrum* (Red Maple)
- *Pinus taeda* (Loblolly Pine)
- *Ligustrum sinense* (Chinese Privet)
- *Smilax glauca* (Cat Greenbriar)
- *Quercus nigra* (Water Oak)
- *Vitis rotundifolia* (Muscadine)
- *Ilex vomitoria* (Yaupon)
- *Viburnum dentatum* (Arrow-wood)
- *Campsis radicans* (Trumpet creeper)
- *Carya glabra* (Pignut Hickory)

FACULTATIVE WET

- Sabal minor (Dwarf Palmetto)
- Iva frutescens (Jesuit's bark)
- Fraxinus pennsylvanica (Green Ash)
- Solidago sempervirens (Seaside Goldenrod)
- Quercus laurifolia (Laurel Oak)
- Chasmanthium laxum (Slender Wood Oats)

3. Goals and Objectives of the Mitigation Plan

Successful implementation of the PRMP site will result in the re-establishment, rehabilitation and preservation of the critical functions associated with bottomland hardwood wetlands. Surface water retention, ground water storage, nutrient cycling, sediment retention and stabilization, terrestrial and aquatic habitat creation, wildlife diversity, improved water quality, and runoff reduction are some of the functions and values that are targeted for this project.

3.1. Mitigation Site

3.1.1. Property Location

The site is located in Sections 22 and 27, T9S, R12W approximately 5 miles due north of Vinton, LA, see Figure 1. The site is located east of the intersection of Big Woods Road and No. 7 Road. The project center is located at Latitude 30 15' 44" N and Longitude 93 34' 46" W.

3.1.2. Property Ownership

The property owner (Owner) is Stream Wetland Services, LLC. They have owned the Property for 1 year.

3.1.3. Property Legal Description

Pending final acceptance.

The perimeter of the property is defined by the following coordinates in decimal degrees:

Subject to final acreage determination. See proposed Figure 2 Site Plan.

3.1.4. Recorded Liens, Encumbrances, Easements, Servitudes or Restrictions

Clear title to the Property has been documented by a title report /opinion Attachment [#] generated by [Company Name]. Any exceptions to the real estate title not subordinated to the conservation servitude are listed below: (To be updated and provided upon acceptance)

Mineral Lease: As stipulated in the conveyance, the previous owner retained the minerals without the right to use the surface of the property for these purposes.

Calcasieu Parish Gravity Drainage District #6 of Wards 5 and 6 occasionally maintains Coon Gully. There is no servitude or easement of record. In all likelihood the Drainage District can demonstrate a prescriptive easement exists. However, the PRMP has been designed not to impede the drainage of the surrounding watershed through Coon Gully while maintaining the hydrologic integrity of the PRMP site.

3.2. Site Selection

The mitigation site is located within the same hydrologic unit code (HUC) 08080206 as the impact site. This hydrologic unit encompasses the lower Calcasieu River Basin. The mitigation will be compatible with the surrounding area and adjacent land uses. There are no impacts to threatened or endangered species on the impact site or on the mitigation site.

The availability of on-site mitigation is absent due to the land and size restrictions at the impact location; there was insufficient room to accomplish on-site mitigation.

3.3. Baseline Information

3.3.1. Land Use

3.3.1.1. Historical Land Use

Historically the site was most likely a bottomland hardwood forest which was cleared, leveled and drained for agricultural purposes over 100 years ago.

3.3.1.2. Current Land Use

Current land uses are active rice farming, pasture and crawfish production. See Appendix C.

Managed woodlands surround the site to the west and southeast. Properties to the north and south are used for agricultural and pastoral production. Currently the site consists of 359 acres of prior converted pasture, crawfish ponds, and 186 acres of prior converted cropland.

3.3.2. Soils

A Custom Soil Resources Report from the Natural Resources Conservation Service (NRCS) describes the sites soils as 21.4% Brimstone silt loam (Bo), 13.1% Guyton silt loam, occasionally flooded (Go), 46.4% Kinder-Messer silt loams (Kd), 18.0% Leton silt loam (Lt), and 1.1% Edgerly loam, 0 to 1 percent slopes (Mr). A wetland delineation conducted in 2013 confirmed these soils exist within the site. These hydric soils are conducive to the establishment of a bottomland hardwood wetland. See Figure 5 Soils Map that depicts the location of each soil type.

3.3.3. Hydrology

3.3.3.1. Historical Drainage Patterns

Historic drainage was via sheet flow from primarily a northerly direction across the site feeding into Coon Gully to the Vinton Canal then into the Gulf Intracoastal Water Way (GIWW).

3.3.3.2. Existing Drainage Patterns

Currently, agricultural forced drainage practices for rice, cattle, and crawfish production have redirected historical sheet flows into drainage ditches via culverts and field drains. Irrigation canals, interior roads, field drains and levees are some of the features controlling the sites hydrology. Current drainage features and patterns are depicted in Figure 3.

3.3.3.3 Hydroperiod

The mitigation site is comprised almost entirely (98%) of soils that are classified as hydric due to their lack of permeability, slow run off, and slopes ranging from 0 to 5 percent. The sites seasonal high water table fluctuates from 0.0 to 2.0 feet during the months of December through April. The soils are prone to flooding for short periods during heavy rain events with the surface layer remaining wet for long periods.

3.3.3.4 Water Source

The sites primary sources of water are precipitation, sheetflow and overbank flooding of coon Gully during heavy rainfall events. The average annual rainfall in the vicinity of the mitigation site is approximately 64.3 inches. June is the wettest month with an average 7.3 inches of rain.

3.3.4. Vegetation

3.3.4.1. Historical Plant Community

Historically the site was a pimple mound complex with hardwood flats tapering off into a bottomland forest along and in close proximity Coon Gully. Much the same as exists at the impact site. See Historical Photos Figures 6&7.

3.3.4.2. Existing Plant Community

Vegetation within the 606 acres of prior converted cropland consists of *Eryngium prostratum*, *Juncus tenuis*, *Eupatorium capillifolium*, *Alternanthera philoxeroides*, *Luziola fluitans*, *Polypremum procumbens*, *Xanthium strumarium*, *Panicum urvillei*, *Eleocharis acicularis*, *Juncus tenuis*, *Cyperus esculentus*, and *Justicia ovata*. *Axonopus fissifolius*, *Juncus marginatis*, *Eleocharis acicularis*, *Juncus polycephalus*, *Carex albolutescens*, *Andropogon virginicus*, *Centella erecta*, *Sporobolus indicus*, *Juncus effusus*, *Persicaria hydropiperoides*, *Eryngium prostratum*, *Juncus tenuis*, *Eupatorium capillifolium*, *Alternanthera philoxeroides*, *Luziola fluitans*, *Rubus argutus*, *Lolium perenne*, *Briza minor*, *Sida rhombifolia*, *Verbena littoralis*, *Paspalum urvillei*, *Cyperus esculentus*, and *Sesbania exaltata*. Percent coverage and indicator for each of the above can be found within the provided wetland determination.

4. Assessment Methodology

SWS had extensive interaction with the CEMVN in the selection of this site. The MCM, developed by the USACE, was utilized to determine the required amount of mitigation necessary to offset the impacts associated with the proposed construction project. The impact site is a mixed hardwood forest that contains a "pimple-mounded" topography. The proposed mitigation site will restore 255.3 acres of hardwood forest that was cleared for agricultural purposes nearly 100 years ago.

5. Mitigation Work Plan

The site will be restored in 2 phases over a period of 2 years as detailed herein below.

A. Phase 1, Year 1 - Hydrology

- a) To restore the surface hydrology the rice field levees will be degraded to the existing grade and contour of the surrounding landscape.
- b) The site will be double disked in order to remove interior field drains within the site.
- c) Select culverts and gaps plugged. (figure 3)
- d) Deep ripping, to disrupt and break the existing plow pan, will be employed over the entire site.

B. Phase 2, Year 2 – Vegetation

- a) Prior to planting a combination of chemical and mechanical measures will be employed in order to control competing vegetation and invasive species such as Chinese tallow tree.
- b) Plantings – the following list and percentages of hard and soft mast species, depending on availability, are recommended for planting:

Hardmast Species (Comprise 50% of the planting)

Nuttall oak	<i>Quercus nuttalii</i>	20.0%
Overcup oak	<i>Quercus lyrata</i>	10.0
Willow oak	<i>Quercus phellos</i>	15.0
Water oak	<i>Quercus nigra</i>	2.5
Bitter pecan	<i>Carya aquatic</i>	2.5

Softmast Species (Comprise 50% of the planting)

Green ash	<i>Fraxinos Americana</i>	10.0%
Red maple	<i>Acer rubrum</i>	5.0
Sweetgum	<i>Liquidambar styracifula</i>	10.0
American elm	<i>Ulmus Americana</i>	5.0
Baldcypress	<i>Taxodium distichum</i>	10.0
Common persimmon	<i>Diospyros virginiana</i>	5.0
Mayhaw	<i>Crataegus aestivalis</i>	5.0

Should the seedlings listed be in short supply or unavailable the above percentages, with the approval of the CEMV, may be adjusted accordingly.

- c) One year old bareroot seedlings, properly stored and handled, will be planted during the December 15 through March planting season.
- d) Seedlings will be mixed and planted randomly as dictated by topography and edaphic conditions. Initial stand density of 622 trees per acre.
- e) The site will be maintained on an as needed basis by the use of mechanical and/or chemical means or combination thereof for the control of noxious /exotic vegetation (Chinese tallow tree) until crown closure occurs (year 15).
- f) See cost estimates, Appendix F.

6. Maintenance Plan

The proposed Mitigation Site is designed to be self-sustaining. Hydrologic alterations as described in the work plan are designed to this end. Annual inspections will be conducted to ensure the hydrologic modifications are performing as planned, and that there are no unforeseen issues that may jeopardize the integrity of the site.

Data from visual inspections performed on a quarterly basis as well as data collected during the scheduled monitoring events will be utilized in prescribing and scheduling

control of exotic/invasive species. The primary exotic/invasive species of concern for this site is Chinese tallow. Chinese tallow will be controlled chemically using both aerial and basal application techniques. Only chemicals labeled for forestry applications will be utilized, and will be applied according to label specifications. Notification of treatments will be included in all scheduled monitoring reports.

7. Performance Standards

For the site to be considered acceptable it must satisfy wetland criteria as described in the Corps 1987 Wetland Delineation Manual.

7.1 Initial Success Criteria

A. Hydrology – The natural surface contours will be restored to the maximum extent practicable, gaps and culverts will be plugged as described in Section 5, Phase 1 and denoted in Figure 3.

B. Plantings – 250 seedlings must survive through the end of the first growing season (year 1) at least 50 percent must consist of hard-mast species.

7.2 Interim Success Criteria

A. Hydrology – In year 5, following attainment of the one year survivorship benchmark, hydrologic data gathered during monitoring will be compiled to determine whether or not the site meets the Corps 1987 Wetland Delineation Manual Standard. If deficient, an adaptive hydrology plan will be developed in consultation with CEMVN, and corrective measures implemented accordingly.

B. Plantings and vegetation

a) 175 seedlings per acre must be present at the end of year five following achievement of the one year survivorship. Naturally recruited trees may be included in the tally. Species composition must be consistent with the restoration plan objective.

b) By year 5, upon achievement of the one year survivorship, the site must demonstrate a dominance of wetland vegetation using delineation methods described in the 1987 Wetland Delineation Manual. (Fifty percent (50%) of the dominant species are FAC or wetter.)

7.3 Long Term Success Criteria

A. By year 15, following successful achievement of the one year survivorship, a representative cohort of 85 trees/saplings per acre, planted and naturally recruited, shall be present.

B. Upon canopy closure (15 years) exotic/invasives (Chinese tallow tree) shall not comprise more than 8% of the overstory on a per acre basis. Ongoing treatment will continue as part of the long-term maintenance program.

- C. Timber thinning/harvesting may be performed by the sponsor subject to the approval of the CEMVN. Measures to control exotic/invasives after the after the harvest operations shall be implemented as part of the long term maintenance program.

8. Monitoring and Reporting Requirements

A. Initial and Interim Success Criteria Reports

1. Following the initial planting, survival monitoring plots will be implemented. At the completion of the first growing season, a survey of living and dead seedlings will be conducted. A 2.5% sample will be taken. STREAM shall also perform a cursory visual examination of the entire planted tract to determine if overall survival is adequate.
2. STREAM shall, within 60 days following the initial survival survey, provide a written report to CEMVN indicating the number and species of living seedlings and identify causes of mortality when the survival criteria was not achieved. The report shall also describe the condition of applicable drainage ditch plugs and water control structures.
3. STREAM shall report the generalized degree and location of exotic/noxious species colonization and identify measures to control them.

B. Continuous Forest Monitoring Reports

1. Upon attainment of Year 5 criteria STREAM shall randomly establish permanent 1/20th-acre circular survey plots. At least one such survey plot for every 20 acres of land will be established. The plots will be identified with a permanent marker (e.g., an eight foot PVC pipe anchored with a metal T post) and GPS coordinates shall be recorded. A map depicting the location of the survey plots and a listing of the coordinates for each survey plot is to be provided to CEMVN and for approval. The survey plots shall be representative of the planting. All trees falling within the plot shall be permanently identified by placing a 4' pipe next to each tree. Stream shall document the species, height and diameters of each identified tree within each plot.
2. The monitoring report shall:
 - a. Identify seedling survivorship and colonization by volunteer mid-story and overstory species. Results of vegetation survey including visual estimates of percentage (%) overall cover by each vegetation layer, species diversity, % exotic vegetation, survival rate of planted vegetation, an estimate of natural revegetation, and a qualitative estimate of plant vigor as measured by evidence of reproduction;
 - b. Discuss the general health of the planted trees;

- c. Describe the vegetative communities developing within and the overall condition of the entire Mitigation Site;
- d. Describe wildlife usage and herbivory/browse problems, if present;
- e. Summarize the condition of the Site;
- f. Identify maintenance activities performed; and
- g. Document measures to control exotic/invasive species colonization/establishment.

C. Reporting Schedule

1. Vegetative monitoring and reports shall be completed in the spring (when new growth makes identification practicable) of years 1, 3, 5, 10, 15, and prior to and following the first thinning operation.
2. If the Year 1 vegetative success criterion is obtained, but all performance criteria have not been met in the fifth year, a monitoring report shall be required for each consecutive year until two annual sequential reports indicate that all criteria have been successfully satisfied (i.e., that corrective actions were successful).
3. Reports discussing measures to control exotic/noxious species shall be provided annually until such time as all Initial Success Criteria and Interim Success Criteria have been met and verified by the IRT. The annual reports should document items such as noxious/exotic species, method of treatment/control, machinery and/or chemical treatments utilized, timing of treatments/work, effectiveness of previous treatments/work, etc.
4. Reports will be submitted by March 31 following each monitoring year.
5. Where timber harvest has specifically been approved by CEMVN, post-harvest inspection reports shall be submitted to CEMVN by December 31 of the year in which the harvest occurred. The Sponsor shall record where harvests occurred, the approximate basal area of standing timber by species, and the number and species of seedlings that were replanted.
6. Monitoring reports shall be provided to CEMVN and made available to other members of the IRT upon request.

9. Long Term Management Plan

Long term management needs to insure the long term sustainability of the site, defined as year 16 to year 50 following attainment of the year 15 success criteria are: site security, quarterly site inspections, invasive species and herbivore control.

9.1. Conservation Servitude

The Owner of the proposed Mitigation Site shall burden the Property with perpetual conservation servitude in accordance the Louisiana Conservation Servitude Act, R.S. 9:1271 et seq., Prior to execution of the conservation servitude, the Owner

shall provide evidence through the Permittee that the entity proposed to hold the conservation servitude is a CEMVN approved Holder by virtue of being either a governmental body empowered to hold an interest in immovable property under the laws of the State of Louisiana or the United States of America; or a non-profit corporation organized pursuant to Louisiana's Non-Profit Corporation Law, Title 12, Sections 201-269 of the Louisiana Revised Statutes, the purposes or powers of which include retaining or protecting the natural, scenic, or open-space values of immovable property; assuring the availability of immovable property for agricultural, forest, recreational or open-space use; protecting natural resources; maintaining or enhancing air or water quality; or preserving the historical, archaeological or cultural aspects of unimproved immovable property. Upon execution of the conservation servitude previously described, the Holder shall hold and enforce the conservation servitude placed on the Mitigation Site and the Mitigation Site shall be protected in perpetuity.

The conservation servitude shall be signed and filed in the Calcasieu parish office with this PRMP and DE permits attached. The conservation servitude shall be filed prior to performing any work authorized by DA permit [permit #]. After filing, a copy of the recorded conservation servitude, clearly showing the book, page and date of filing, will be provided to CEMVN. Upon receipt of a copy of the recorded conservation servitude, CEMVN will advise the Permittee in writing that work may proceed.

9.2. Long-term Management Needs

To ensure the long-term sustainability of the resource, the Permittee will perform quarterly site inspections, maintain site security, continue invasive species control, and perform hydrologic maintenance as needed.

9.3. Annual Cost Estimates for These Needs

The cost of long-term management is \$357,553.00 from Year 16 to Year 50. This amounts to \$1,076,006.00 when adjusted for inflation every five years. Appendix E is a description of the necessary work and an itemized cost to perform the work for long-term management and protection of the Mitigation Site. In projecting the funds necessary for the "Long-Term Maintenance and Protection" escrow account, an average annual inflation rate of 3.25% and an average annual investment return of 6%. The inflation rate is based on the historical rate for the last one hundred years. Over the last fifty years, average annual investment returns are in excess of eight (8) percent. For projecting the requirements for this account, the more conservative rate of six (6) percent is projected. Since the account will be maintained for fifty years, using long term historical averages for both the inflation rate and investment return is the proper way to project the necessary cash requirements.

9.4. Long-Term Maintenance and Protection Funding Mechanism

To ensure that sufficient funds are available to provide for the perpetual maintenance and protection of the Mitigation Site, the Permittee is establishing the "Long-Term Maintenance and Protection" escrow account. This account will be administered by a federally-insured depository that is "well-capitalized" or "adequately-capitalized" as defined in Section 38 of the Federal Deposit Insurance Act. Documentation that the account is fully funded is a pre-requisite for issuance of the permit. Accrued interest in excess of the value of the fully funded account may only be used for the administration, operation, maintenance and/or other purposes that directly benefit the Mitigation Site. The principal shall not be used and shall remain as part of the Mitigation Site's assets to ensure that sufficient funds are available should perpetual maintenance responsibilities be assumed by a third party. The Permittee or Long-Term Stewart may withdraw the accumulated interest only with written approval from CEMVN and only to be used to maintain the Mitigation Site. The Permittee shall provide copies of depository account statements to CEMVN upon request and in their monitoring reports.

10. Financial Assurances

The purpose of financial assurances is to ensure a high level of confidence that the mitigation will be successfully completed, in accordance with its performance standards.

10.1. Construction and Establishment Fund

The Permittee agrees to provide Financial Assurances sufficient to ensure satisfactory completion for the work described in the Mitigation Work Plan and the Adaptive Management Plan. The Permittee is establishing the Construction and Establishment (C&E) financial assurance to assure sufficient funds are available to perform work required to construct and maintain the Mitigation Site through successful attainment of long term success criteria. An assessment of the initial and capital costs and ongoing management funds required to manage and monitor the Mitigation Site is included in the Mitigation Work Plan and provides an estimate of work and cost requirements for construction and establishment of the Mitigation Site through achievement of long term success criteria. To fund this account, the Permittee proposes to establish an escrow account in the amount of \$553,235.10. A breakdown of these funds can be found in Appendix F.

10.1.1 C&E Fund Release Schedule

The Financial assurance shall be reduced as success criteria are achieved and the probability that those funds are no longer needed according to the following schedule:

1. Upon verification by the CEMVN, following consultation with interested resource agencies, that the Phase I hydrology work has been completed, the CEMVN shall advise the Permittee that the C&E financial assurance may be reduced to \$498,345.60.
 2. Upon verification by the CEMVN, following consultation with interested resource agencies, that the Phase II Vegetative work has been completed, the CEMVN shall advise the Permittee that the C&E financial assurance may be reduced to \$348,995.10.
 3. Upon verification by the CEMVN, following consultation with interested resource agencies, that the initial success criteria have been attained for all tracts, the CEMVN shall advise the Permittee that the C&E financial assurance may be reduced to \$262,703.70
 4. Upon verification by the CEMVN, following consultation with interested resource agencies, that the interim success criteria have been attained for all tracts, the CEMVN shall advise the Permittee that the C&E financial assurance may be reduced to \$110,544.90
 5. Upon verification by the CEMVN, following consultation with interested resource agencies, that the long-term success criteria have been attained for all tracts, the CEMVN shall notify the financial institution that the remaining C&E financial assurance shall be released to the Permittee.
- A. The Permittee shall provide copies of annual status of the financial assurances to CEMVN upon request and/or in their monitoring reports.
 - B. The financial assurances shall guarantee payment to a third party, as determined appropriate by the CEMVN in consultation with interested resource agencies, in the event that the Permittee does not fulfill its obligations to perform, as specified in this PRMP.
 - C. Payment to Permittee, or if necessary, to a third party as identified by CEMVN, of a specified amount of the financial assurances shall be made upon written notification by CEMVN to the financial institution.

10.2. Other Requirements

10.2.1. C&E Annual Reports

The Permittee shall provide copies of annual status of the financial assurances to CEMVN upon request and/or in their monitoring reports.

10.2.2. Default Contingency

The financial assurances shall guarantee payment to a third party, as determined appropriate by the CEMVN, in consultation with interested resource agencies, in the event that the Permittee does not fulfill its obligations to perform, as specified in this PRMP.

10.2.3. Notifications to Release Funds

Payment to Permittee, or if necessary, to a third party as identified by CEMVN, of a specified amount of the financial assurances shall be made upon written notification by CEMVN to the financial institution.

11. Contingencies and Remedial Actions

11.1. Adaptive Management

The Permittee is responsible for implementing an approved Adaptive Management Plan in accordance with 33 CFR 332.4(c)(12). The Adaptive Management Plan identifies specific measures to be taken and a timetable to complete the work to correct most potential deficiencies.

11.2. Notice of Deficiency

If monitoring discloses that the Mitigation Site does not meet success criteria, the Permittee will provide a Notice of Deficiency to CEMVN that success criteria have not been met. This notice shall be submitted with the monitoring report. Along with the notice the Permittee will provide a detailed explanation of the deficiency and a proposal identifying specific measures to be taken and a timetable to complete the work to correct the deficiency. CEMVN, in consultation with interested resource agencies, shall determine a course of action required to correct deficiencies and then notify the Permittee to engage in corrective actions pursuant to the Adaptive Management Plan or other action as the situation may warrant.

When a disaster (natural or man-induced) adversely affects the Mitigation Site, the Permittee shall provide a Notice of Deficiency to CEMVN of such circumstance within two weeks of the event. The notice will identify the disaster and impacts to the Mitigation Site, specify measures to be taken to correct the impacts and a timetable to complete the work necessary to restore the Mitigation Site. CEMVN shall then notify the Permittee to engage in corrective actions pursuant to the Adaptive Management Plan or other action as the situation may warrant.

11.3. Conditions for Re-evaluation of the Benefits from Mitigation Site

Should the CEMVN determine that the Mitigation Site is not performing according to the standards and criteria set forth in this PRMP, CEMVN will require adaptive management.

If the Permittee fails to implement adaptive management to address any failure in meeting the performance standards within one growing season (November 1 of the following year) after notification, the CEMVN, in consultation with interested resource

agencies, will notify the Permittee of the revocation of this mitigation project as appropriate mitigation for the impact project. The Permittee will be required to replace the mitigation. Methods of replacement will be determined at that time and could require purchasing mitigation credits at an appropriate mitigation bank. The perpetual conservation servitude will remain in place on the Property to protect accrued credits unless project impacts are fully mitigated elsewhere.

11.4. Natural Disasters¹

In the event substantial damage to the Mitigation Site caused by a natural or human-caused disaster or a deliberate and unlawful act, the CEMVN, in consultation with the Permittee and interested resource agencies, determines that the disaster was beyond the control of the Permittee, its agents, contractors, or consultants to prevent or mitigate; the Permittee may request, and the CEMVN, in consultation with the interested resource agencies, may approve changes to the construction, operation, project milestones or performance standards. Net improvement of the PRMP will be reassessed.

Should a disaster with substantial damage to the Mitigation Site occur, CEMVN, in consultation with interested resource agencies, will evaluate the degree of impacts and measures necessary to remediate identified impacts to the Mitigation Site. The CEMVN, in consultation with interested resource agencies, will then determine an appropriate adaptive management plan to address the issue.

The Permittee will implement adaptive management measures necessary to remediate identified impacts within one year of receiving the approved adaptive management plan. The Permittee will continue to submit monitoring reports and the success of the adaptive management will be re-evaluated. Additional adaptive management measures may be necessary upon follow-up evaluations.

If identified remedial actions are not taken within one year following receipt of the approved adaptive management plan for that issue, the approval of this Mitigation Site as appropriate mitigation for the impact project will be revoked.

11.5. Financial Responsibilities

Regardless of the cause of the remedial action, the Permittee shall bear the financial responsibility for any and all remedial measures necessary to correct any deficiency caused by any means prior to successful attainment and verification of all

¹ A natural catastrophic event includes, but is not limited to, a flood equal to or greater in magnitude than the 100-year flood event, earthquake, drought, debilitating disease, wildfire, depredation, regional pest infestation, or fluvimorphic change. A human-caused catastrophic event includes, but is not limited to, war, insurrection, riot, or other civil disorders, spill of a hazardous or toxic substance, or fire. A deliberate and unlawful act includes, but is not limited to, the dumping of a hazardous or toxic substance, as well as significant acts of vandalism or arson. If any such act occurs the IRT, in consultation with the Permittee, will determine what changes to the Bank and/or this MBI will be in the best interest of the Bank and the aquatic environment.

Long-term Success Criteria by the CEMVN, in consultation with interested resource agencies.

12. Additional Information

13. References

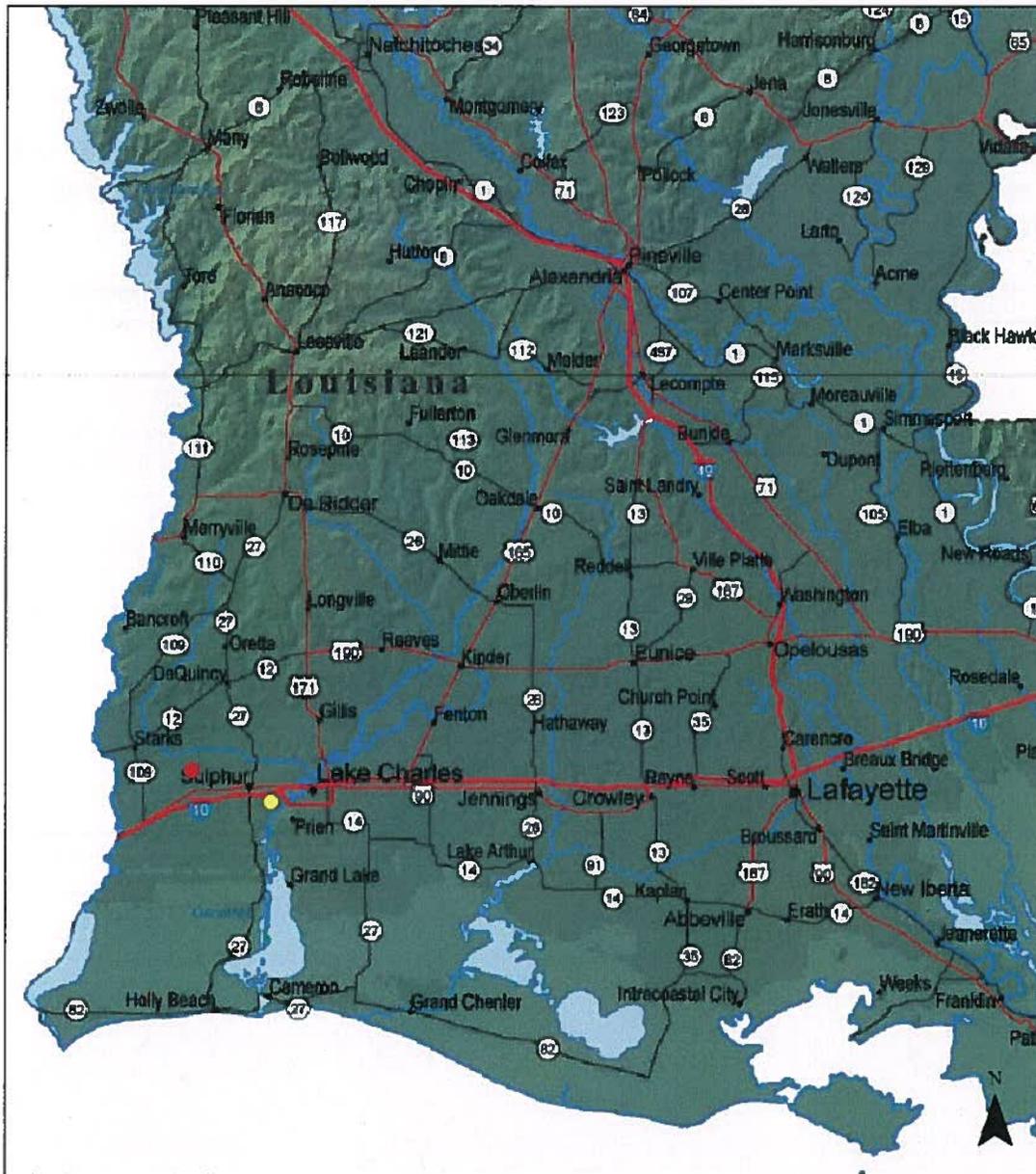
Natural Resources Conservation Service (2013) *The Plants Database* [website]. U.S. Department of Agriculture, Natural resources conservation Service, *Soil Survey Staff*. <http://websoilsurvey.nrcs.usda.gov/app/>

U.S. Army Corps of Engineers (1987) Corps of Engineers Wetland Delineation Manual. USACE Waterways Experiment Station Technical Report Y-87-1.

U.S. Army Corps of Engineers (2010) Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (ver 2.0). ERDC/EL TR-10-20. U.S. Army Corps of Engineers, Environmental Laboratory, Vicksburg, MS, November 2010.

Appendix A

Figures

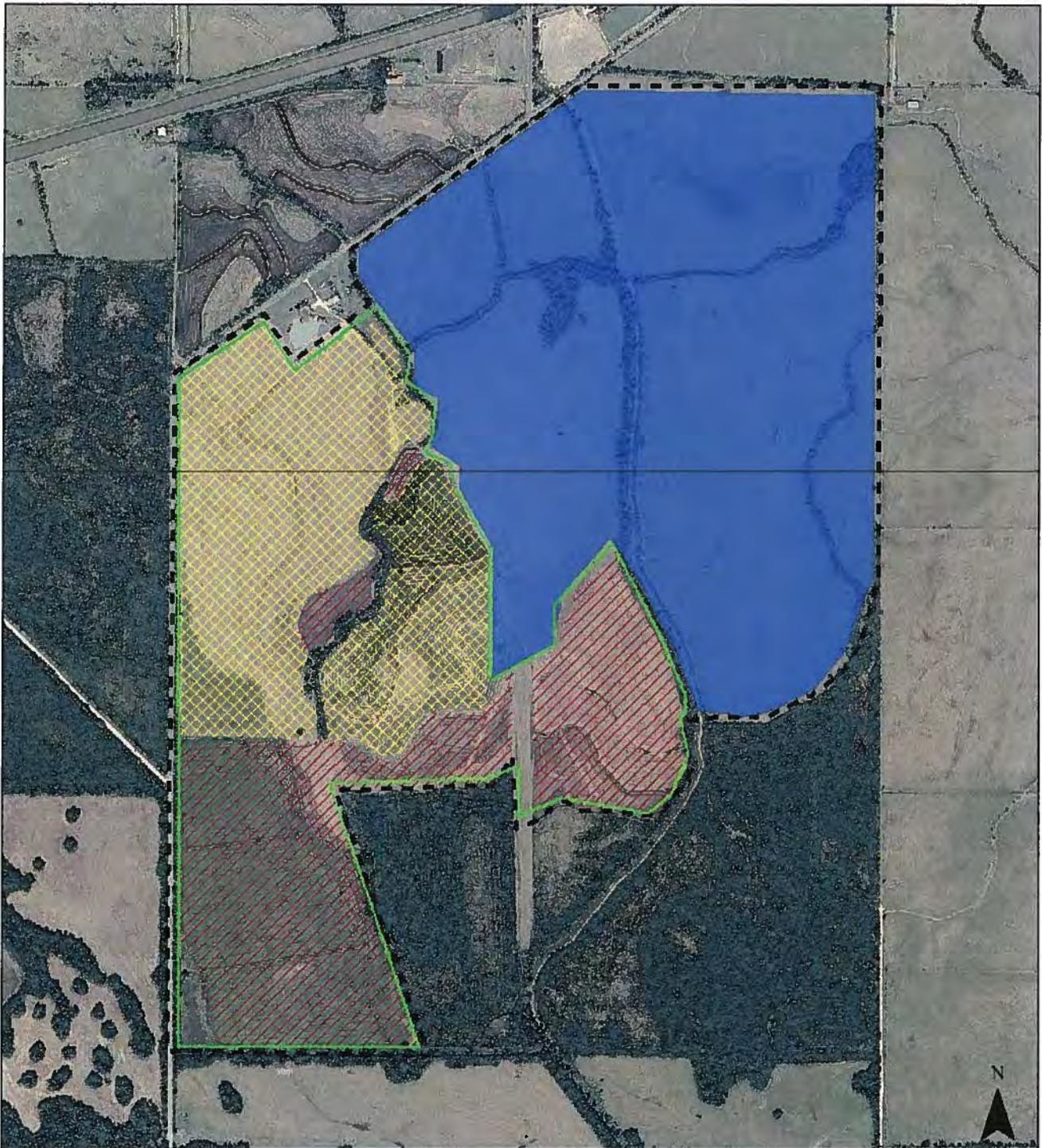


Legend

-  Proposed PRMP Site
-  Impact Site



**Axdall Corporation PRMP
Vicinity Map
Figure 1**

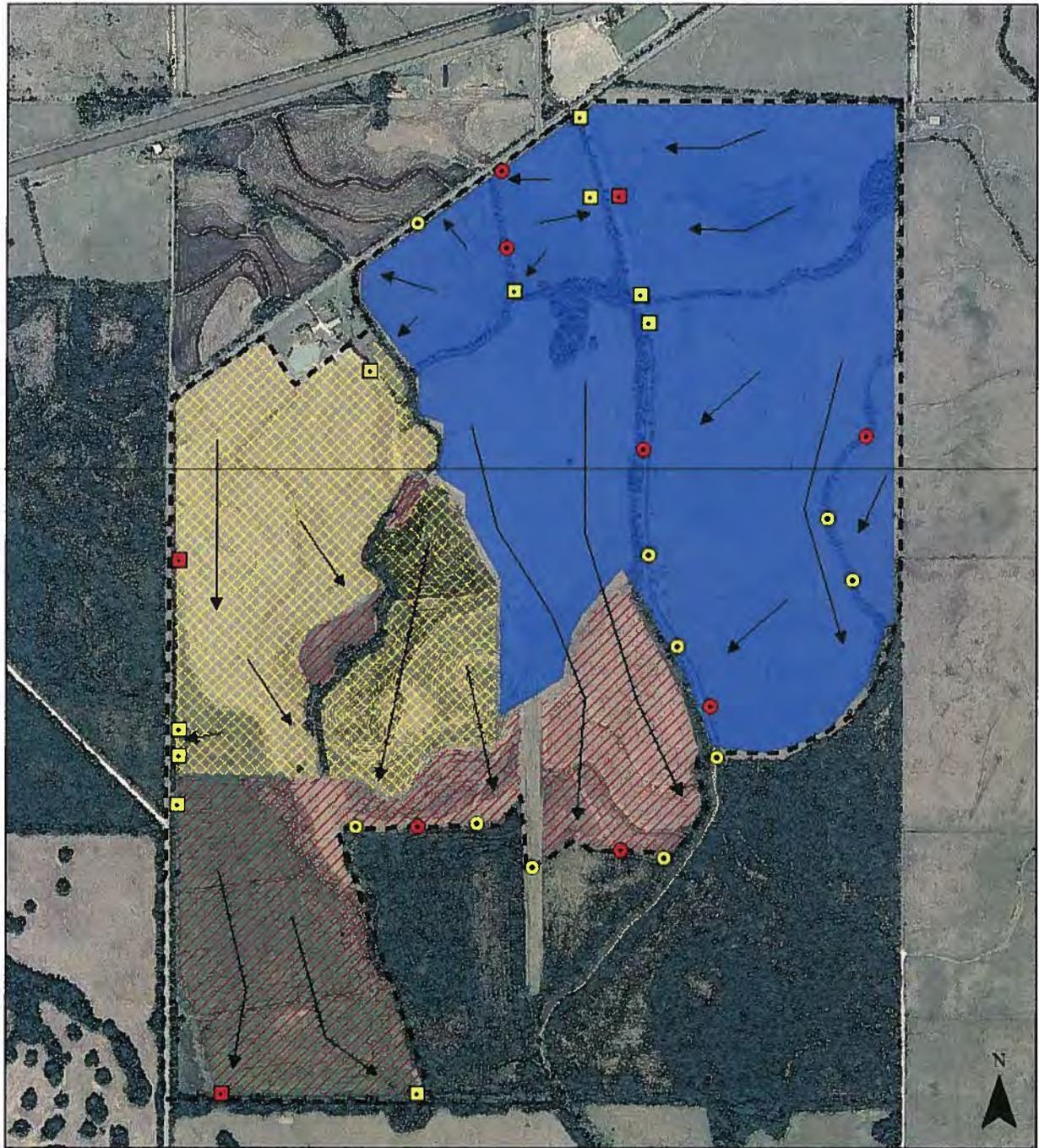


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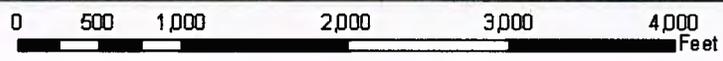
-  PRMP Boundary
-  Rehabilitation I (128.3 Acres)
-  Re-establishment I (127 Acres)
-  Future Mitigation Area
-  Property Boundary



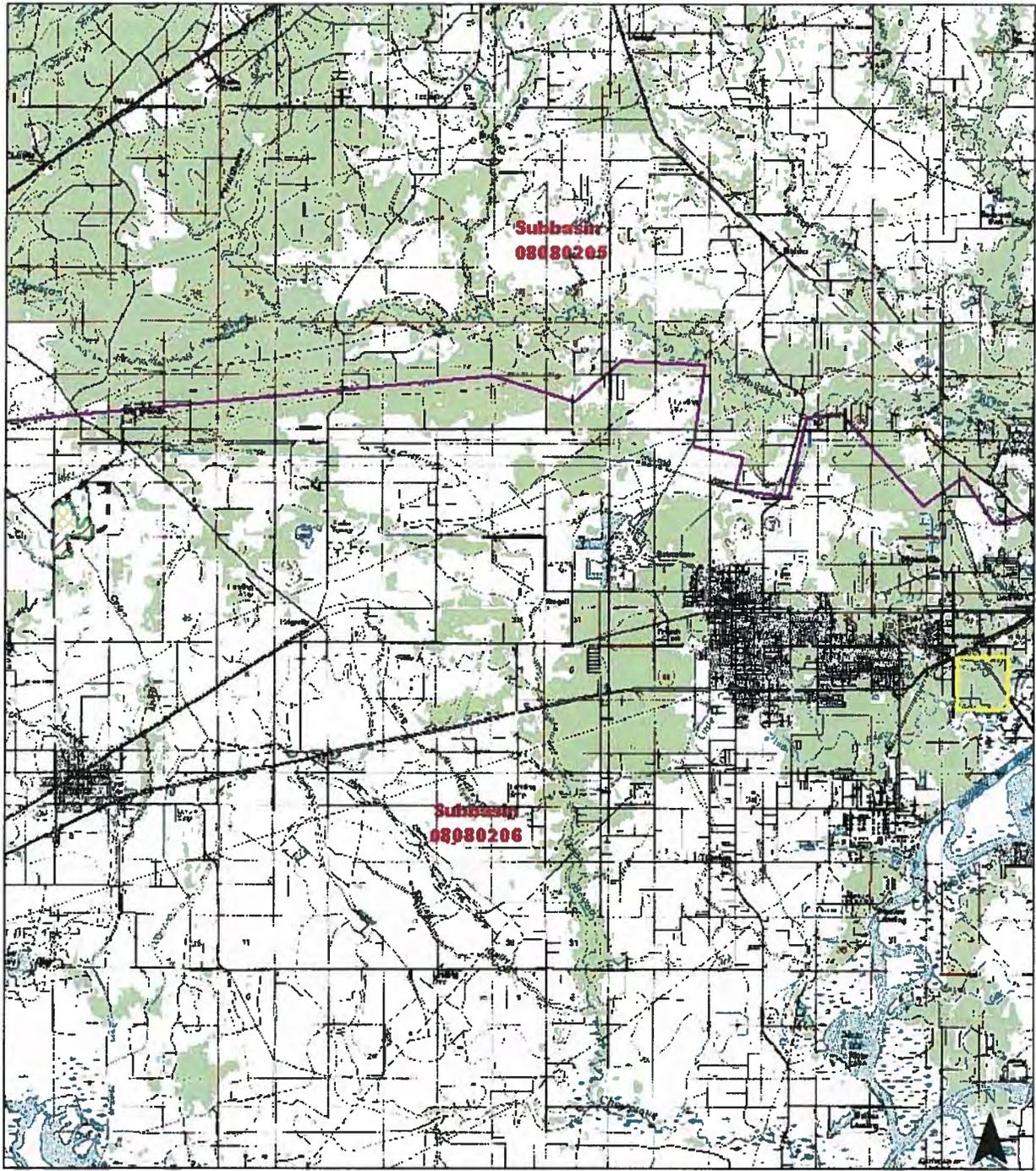
**Axiall Corporation PRMP
Site Plan
Figure 2**



- Legend**
- High Elevation Contour
 - High Elevation Contour
 - High Elevation Contour
 - High Elevation Contour
 - Direction of Flow
 - Pond or Wetland Area
 - Pond or Wetland Area (1-212 Acres)
 - Pond or Wetland Area (1-27 Acres)
 - Property Boundary

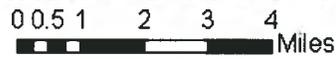


**Axiall Corporation PRMP
Restoration Plan
Figure 3**

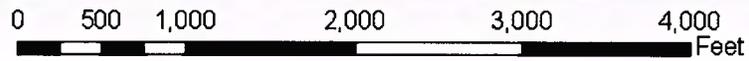
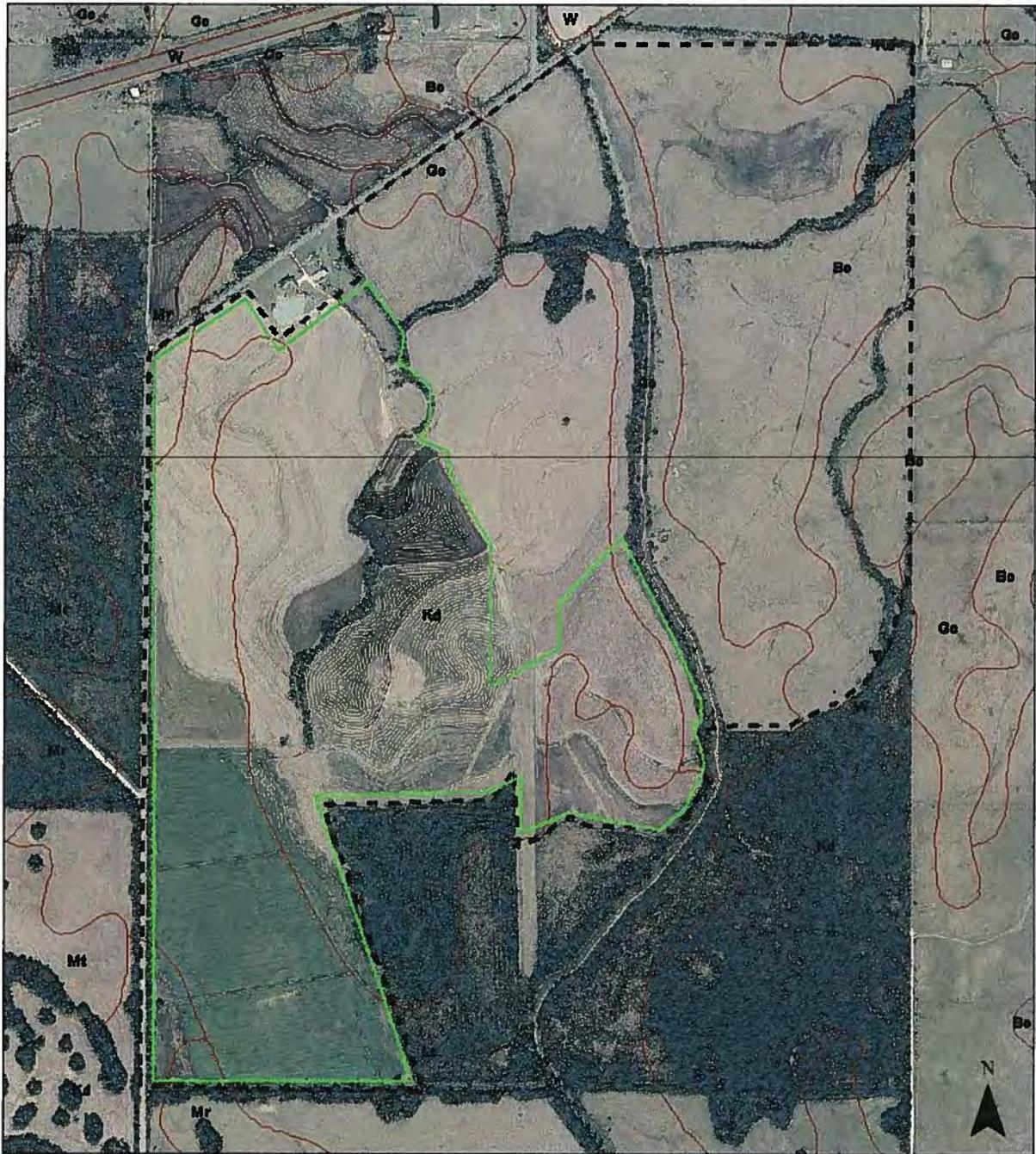


Legend

-  PRMP Boundary
-  Rehabilitation I (128.3 Acres)
-  Re-establishment I (127 Acres)
-  Axall Impact Site
-  Property Boundary



**Axall Corporation PRMP
HUC Map
Figure 4**



Legend

-  PRMP Boundary
-  Property Boundary
-  Soils



**Axdall Corporation PRMP
Soils Map
Figure 5**



Legend

 Property Boundary

**Axdall Corporation PRMP
1958 Historical Photo
Figure 6**



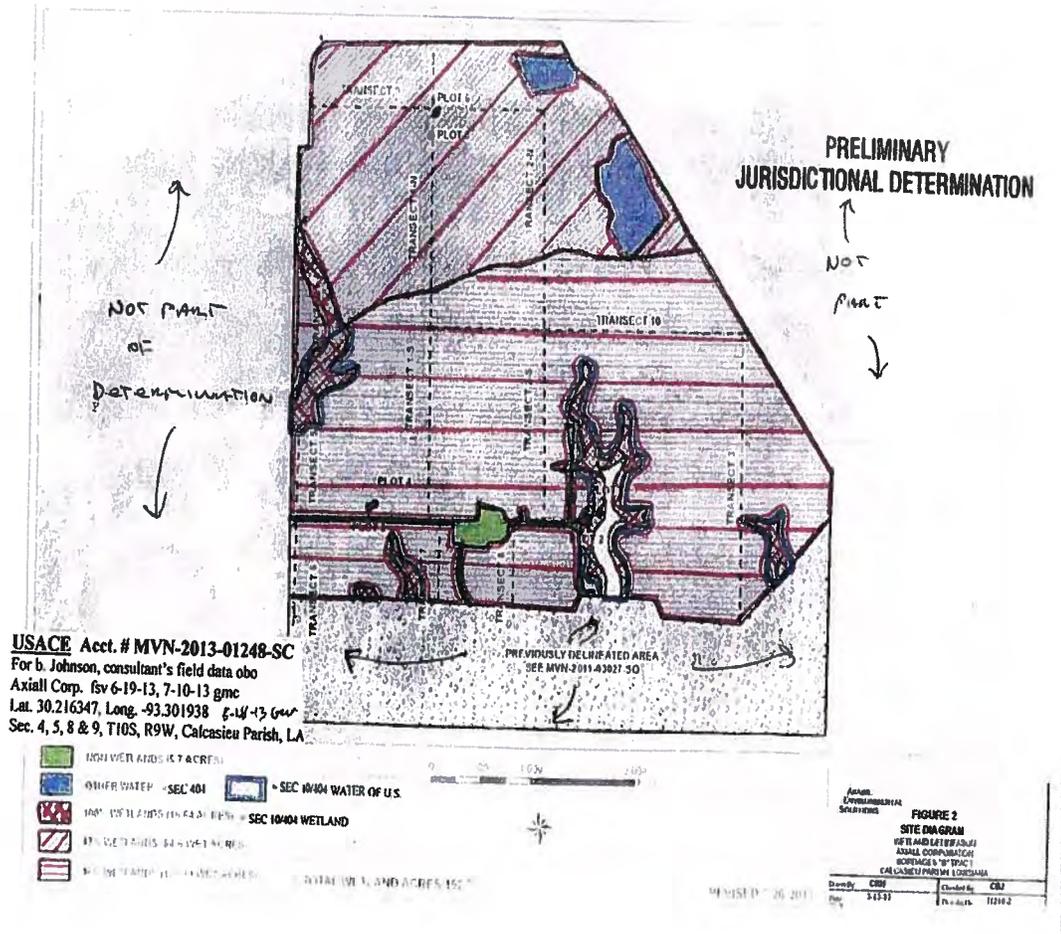
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 Property Boundary

**Axiall Corporation PRMP
1978 Historical Photo
Figure 7**

Appendix B

Impact Site Jurisdictional Determination



Appendix D

Draft MVN MCM

Corps of Engineers, New Orleans District Modified Charleston Method

Version_2013_MVN_MCM_10_2

Adverse Impacts Worksheet

CEMVN Permit Number:	
Total wetland Area (Acres)	
Impacted by Project:	110.4
Impact HUC:	08080206
Impact Basin:	

Calcasieu

Table 1: Adverse Impacts Worksheet

Factor	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6
Priority Category	Secondary	Primary	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
Existing Habitat Condition	Condition 2	Condition 1	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
Existing Hydrologic Condition	Condition 2	Condition 1	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
Duration	Over 10	Over 10	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
Dominant Impact	Fill	Dredge	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
Cumulative Impact	Medium	Medium	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)

Date: 2/3/2014

Corps of Engineers, New Orleans District Modified Charleston Method

Version_2013_MVN_MCM_10_2

Adverse Impacts Worksheet

CEMVN Permit Number:
 Total wetland Area (Acres):
 Impacted by Project: 110.4
 Impact HUC: 08080206
 Impact Basin:

Calcasieu

Table 1: Adverse Impacts Worksheet

Factor	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6
Priority Category	2.0	3.0	0.0	0.0	0.0	0.0
Existing Habitat Condition	2.4	3.0	0.0	0.0	0.0	0.0
Existing Hydrologic Condition	2.4	3.0	0.0	0.0	0.0	0.0
Duration	1.0	1.0	0.0	0.0	0.0	0.0
Dominant Impact	2.5	2.5	0.0	0.0	0.0	0.0
Cumulative Impact	0.6	0.6	0.0	0.0	0.0	0.0
Sum of Factor R = Σr	10.9	13.1	0.0	0.0	0.0	0.0
Size in Acres (AA)	110.0	0.4	0.0	0.0	0.0	0.0
R × AA =	1193.7	5.2	0.0	0.0	0.0	0.0

Credits Impacted by Project = Σ (R × AA) =

Date: 2/3/2014

Version_2013_MVN_MCM_10_2

Table 2B: Proposed Restoration/Enhancement Mitigation Worksheet

Mitigation Project Name:

Mitigation Project Size (Acres) Include Wetlands:
Non-wetlands and Buffer Areas: 606.0
Mitigation Project HUC: 08080206
Mitigation Project Basin: Calcasieu
Impacted HUC: 08080206
Mitigation Project in the same basin as the impact: Yes
Proximity Factor: 1.0

Factors	Area 1	Area 2	Area 3	Area 4	Area 5
Net Improvement	Re-establishment 1	Rehabilitation 1	Rehabilitation 1	(Select an Option)	(Select an Option)
Mitigation Type					
Maintenance/ Management Requirement	Self-Sustaining	Self-Sustaining	Self-Sustaining	(Select an Option)	(Select an Option)
Control	Conservation Servitude	Conservation Servitude	Conservation Servitude	(Select an Option)	(Select an Option)
Temporal Lag	Over 20	Over 20	Over 20	(Select an Option)	(Select an Option)
Credit Schedule	Schedule 2	Schedule 2	Schedule 2	(Select an Option)	(Select an Option)
Kind	Category 1	Category 1	Category 4	(Select an Option)	(Select an Option)
Location	Zone 1	Zone 1	Zone 1	(Select an Option)	(Select an Option)
Negative Influences on the mitigation site					
Commercial/Residential Development	No Impact	No Impact	No Impact	No Impact	No Impact
Oil & gas activities	No Impact	No Impact	No Impact	No Impact	No Impact
Size	Category 1	Category 1	Category 1	Category 1	Category 1
Corridors	No Impact	No Impact	No Impact	No Impact	No Impact

2/3/2014

Version_2013_MVN_MCM_10.2

Table 2B: Proposed Restoration/Enhancement Mitigation Worksheet

Mitigation Project Name:

Factors	Area 1	Area 2	Area 3	Area 4	Area 5
Net Improvement					
Mitigation Type * Maintenance/ Management Requirement	4.0	3.0	3.0	0.0	0.0
Control	0.4	0.4	0.4	0.0	0.0
Temporal Lag	-0.3	-0.3	-0.3	0.0	0.0
Credit Schedule	0.3	0.3	0.3	0.0	0.0
Kind	0.4	0.4	0.1	0.0	0.0
Location	0.4	0.4	0.4	0.0	0.0
Subtotal	5.2	4.2	3.9	0.0	0.0
Negative Influences on the mitigation site					
Commercial/Residential Development	0.0	0.0	0.0	0.0	0.0
Oil & gas activities	0.0	0.0	0.0	0.0	0.0
Size	0.0	0.0	0.0	0.0	0.0
Utility Corridors	0.0	0.0	0.0	0.0	0.0
Sum of negative impacts	0.0	0.0	0.0	0.0	0.0
Sum of m Factors	5.2	4.2	3.9	0.0	0.0
Size of Area (Acres)	127.0	127.0	1.3	0.0	0.0
M * A =	660.4	533.4	5.1	0.0	0.0
Acreage required for Permittee-responsible Mitigation project using required credits calculated in Adverse Impact Worksheet.	230.6	0.0	0.0	0.0	0.0
Total Restoration/Enhancement Credits = $\sum (M * A) =$					1198.9
Total Available including buffers					1198.9
Average Credit Per Acre =					4.7

	Buffers	Non-hydric Inclusions	Hydric Inclusions
Credits per acre (M)	0.2	0.4	0.6
Size in Acres (A)		0.0	0.0
M * A =	0.0	0.0	0.0
Credits added to bank =			0.0

Appendix E

Long-Term Maintenance Cost

LONG TERM MANAGEMENT COSTS ESCROW ACCOUNT						
YEAR	ACCOUNT BALANCE BEGINNING OF YEAR	LONG TERM COSTS	ESCROW ACCOUNT EARNINGS AT 6%	ACCOUNT BALANCE END OF YEAR		
1	175,000					
	Initial Deposit into Escrow Account					
16	419,398	8,800	24,636	435,234		
17	435,234	9,086	25,569	451,717		
18	451,717	9,381	26,540	468,876		
19	468,876	9,686	27,551	486,741		
20	486,741	10,001	28,604	505,345		
21	505,345	105,275	24,004	424,074		
22	424,074	10,661	24,805	438,218		
23	438,218	11,008	25,633	452,842		
24	452,842	11,365	26,489	467,966		
25	467,966	11,735	27,374	483,605		
26	483,605	12,116	28,289	499,778		
27	499,778	12,510	29,236	516,504		
28	516,504	12,916	30,215	533,803		
29	533,803	135,971	23,870	421,702		
30	421,702	13,770	24,476	432,408		
31	432,408	14,217	25,091	443,283		
32	443,283	14,679	25,716	454,320		
33	454,320	15,156	26,350	465,514		
34	465,514	15,649	26,992	476,857		
35	476,857	16,158	27,642	488,341		
36	488,341	16,683	28,299	499,957		
37	499,957	175,618	19,460	343,799		
38	343,799	17,785	19,561	345,575		
39	345,575	18,363	19,633	346,845		
40	346,845	18,959	19,673	347,559		
41	347,559	19,576	19,679	347,662		

LONG TERM MANAGEMENT COSTS ESCROW ACCOUNT					
YEAR	ACCOUNT BALANCE BEGINNING OF YEAR	LONG TERM COSTS	ESCROW ACCOUNT EARNINGS AT 6%	ACCOUNT BALANCE END OF YEAR	
42	347,662	20,212	19,647	347,097	
43	347,097	20,869	19,574	345,802	
44	345,802	21,547	19,455	343,710	
45	343,710	22,824	7,013	123,899	
46	123,899	22,970	6,056	106,985	
47	106,985	23,717	4,996	88,264	
48	88,264	24,488	3,827	67,603	
49	67,603	25,283	2,539	44,859	
50	44,859	26,105	1,125	19,879	
		1,139,139	739,620		
ASSUMPTIONS:					
1. An initial deposit of \$175,000 is deposited into the account.					
2. Investment earnings are credited at six (6%) percent compounded annually.					
3. Annual long term costs are deducted from the account at the beginning of each year.					

LONG TERM MANAGEMENT COSTS			
YEAR	MANAGEMENT REQUIREMENT	COST 2014 DOLLARS	INFLATION ADJUSTED AT 3.25%
16	Quarterly Monitoring/Contingency	\$ 5,275	\$ 8,800
17	Quarterly Monitoring/Contingency	5,275	9,086
18	Quarterly Monitoring/Contingency	5,275	9,381
19	Quarterly Monitoring/Contingency	5,275	9,686
20	Quarterly Monitoring/Contingency	5,275	10,001
21	Quarterly Monitoring/Contingency/Invasive Species Control	48,507	94,950
22	Quarterly Monitoring/Contingency	5,275	10,661
23	Quarterly Monitoring/Contingency	5,275	11,008
24	Quarterly Monitoring/Contingency	5,275	11,365
25	Quarterly Monitoring/Contingency	5,275	11,735
26	Quarterly Monitoring/Contingency	5,275	12,116
27	Quarterly Monitoring/Contingency	5,275	12,510
28	Quarterly Monitoring/Contingency	5,275	12,916
29	Quarterly Monitoring/Contingency/Invasive Species Control	48,507	122,635
30	Quarterly Monitoring/Contingency	5,275	13,770
31	Quarterly Monitoring/Contingency	5,275	14,217
32	Quarterly Monitoring/Contingency	5,275	14,679
33	Quarterly Monitoring/Contingency	5,275	15,156
34	Quarterly Monitoring/Contingency	5,275	15,649
35	Quarterly Monitoring/Contingency	5,275	16,158
36	Quarterly Monitoring/Contingency	5,275	16,683
37	Quarterly Monitoring/Contingency/Invasive Species Control	48,507	158,393
38	Quarterly Monitoring/Contingency	5,275	17,785
39	Quarterly Monitoring/Contingency	5,275	18,363
40	Quarterly Monitoring/Contingency	5,275	18,959
41	Quarterly Monitoring/Contingency	5,275	19,576
42	Quarterly Monitoring/Contingency	5,275	20,212

43	Quarterly Monitoring/Contingency	5,275	20,869
44	Quarterly Monitoring/Contingency	5,275	21,547
45	Quarterly Monitoring/Contingency/Invasive Species Control	48,507	204,577
46	Quarterly Monitoring/Contingency	5,275	22,970
47	Quarterly Monitoring/Contingency	5,275	23,717
48	Quarterly Monitoring/Contingency	5,275	24,488
49	Quarterly Monitoring/Contingency	5,275	25,283
50	Quarterly Monitoring/Contingency	5,275	26,105
	Total Long Term Management Costs	\$ 357,553	\$ 1,076,006
ASSUMPTIONS:			
1. Long Term Mitigation Requirements (2014 Dollars)			
Annually:			
	Quarterly Site Inspections - \$1,055 per Quarter	\$ 4,220	
	Contingency	1,055	
		\$ 5,275	
Years 21, 29, 37, 45			
	Invasive Species Control - \$190 per Acre on 255.3 Acres	\$ 48,507	
2. Long Term Costs are annually indexed at an annual inflation rate of 3.25%.			
3. Annual inflation rate is based on the average rate for the last one hundred years.			

Appendix F

Initial Establishment Cost (Per Acre Basis & Total for the 255.3 Acre Site)

PHASE I, YEAR 1 HYDROLOGIC RESTORATION

Degrade rice field levees and field drains	\$25.00
Double disk	55.00
Deep ripping	65.00
Hydrology contingency	50.00
Administrative & supervision	<u>20.00</u>
Total/Acre	\$215.00
Total # of Acres	<u>255.30</u>
Total Expense	\$54,889.50

PHASE II, YEAR 2 REFORESTATIONS & VEGETATION CONTROL

Seedlings	\$320.00
Planting	125.00
Herbicide application	110.00
Administration & supervision	<u>30.00</u>
Total/Acre	\$585.00
Total # of Acres	<u>255.30</u>
Total Expense	\$149,350.50

YEARS 2-5

Invasive species control	\$278.00
Monitoring	<u>60.00</u>
Total/Acre	\$338.00
Total # of Acres	<u>255.30</u>
Total Expense	\$86,291.40

YEARS 6-15

Invasive species control	\$556.00
Monitoring	<u>40.00</u>
Total/Acre	\$596.00
Total # of Acres	<u>255.30</u>
Total Expense	\$152,158.80

[MVN Permit Number]

REPLANTING

Replanting contingency	\$433.00
Total # of Acres	<u>255.30</u>
Total Expense	\$110,544.90
Total Expense/Acre	\$2,167.00
Total # of Acres	<u>255.30</u>
Total Expense	\$553,235.10

ATTACHMENT E – ADJOINING PROPERTY OWNERS

Ethylene Plant Construction Project

25. Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Waterbody

	Name	Address
1	Eagle US 2 LLC (Subsidiary of Axiall Corporation) (formerly PPG)	P.O. Box 1000, Lake Charles, LA 70602-1000
2	Keith Anderson	3626 Lyon Avenue Rear Unit, Oakland, CA 94601
3	Ronald Gilbert Brown	2556 Leeds Court, Livermore CA 94550
4	Annie Gilbert Butler Lavigne	P. O. Box 3928, Beaumont, TX 77704
5	Charles T. Butler Trust; Capital One, N.A., Trustee	P. O. Box 3928, Beaumont, TX 77704
6	Annie B. Lavigne Trust; Capital One, N.A., Trustee	P. O. Box 3928, Beaumont, TX 77704
7	C. Homer and Edith Fuller Chambers Charitable Foundation; Capital One, N.A., Trustee	P. O. Box 3928, Beaumont, TX 77704
8	Mildred Mae Daniels Living Trust; c/o Mr. Barry Burgdorf, Trustee	5902 Sedgefield Drive, Austin, TX 78746
9	Karen Gilbert Forbes	Nojoqui Falls Ranch, 3000 Alisal Road, Gaviota, CA 93117
10	Gail Gilbert Giorgi	Nojoqui Falls Ranch, 3000 Alisal Road, Gaviota, CA 93117
11	Jean E. Hall, Trustee of the Jean E. Hall Trust A of 3/19/99	3655 N. Muscatel Avenue, Rosemead, CA 91770
12	Mr. Gilbert Lemons	3129 Bourbon Street Circle, Rockwall, TX 75032
13	Mr. John Lemons	3129 Bourbon Street Circle, Rockwall, TX 75032
14	Minor Oil Company	8235 Douglas Avenue, Suite 1350 LB 62, Dallas, TX 75225-6019
15	Joanna Matthews Pastore	14183 Highway 124, Beaumont, TX 77705
16	Wanda L. Pauler	1720 Rikisha Lane, Beaumont, TX 77706-2631
17	Estate of Elizabeth Gilbert Fortune; Timothy K. Ryan, Co- Executor	111 Monument Circle, Suite 3500, Indianapolis, IN 46204
18	Estate of Eleanor Muse; Possible Heirs: Mr. Marshall Muse	420 Kentucky Lane, McKinney, TX 75069
19	Ms. Marion Bard	2458 Sanctuary Circle, Cincinnati, OH 45230
20	Mr. Mark McKissick	4018 Colgate, Houston, TX 77087
21	Estate of Catherine Bordages Matthews; Possible Heir: Joanna Matthews Pastore	14183 Highway 124, Beaumont, TX 77705
22	Sierra Pelican, L. L.C.	2417 Shell Beach Drive, Lake Charles, LA 70601
23	James H. Boyer	823 Shell Beach Drive, Lake Charles, LA 70601
24	Edna Elizabeth Von Drehle	c/o Wm. R. VanDrehle, 12414 Boheme, Houston, TX 77024
25	Dewey E. Chapman, Jr.	Not available
26	Mary E. Lea	4610 Autumnwood Lane, Lake Charles, LA 70605

25. Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Waterbody

	Name	Address
27	James Alvin Lemoine	21 India Princess, Wimberly, TX 78676
28	Patricia Claire Lemoine McQuinn	12112 Dixfield, Dallas, TX 75218
29	Susan F. Lemoine	114 Bristol Street Apt. 4G, New Haven, CT 06511
30	Robert Steven Lemoine	1438 Sylvia, Metairie, LA 70005
31	Catherine Lemoine	100 White Tail Lane, Havana, FL 32333
32	Kenneth Lemoine	322 Newman Ave, Jefferson LA 70121
33	William F. Lemoine	Tradesvagan 16 44641 Skeplanda Sweden
34	John Lemoine	5011 Belt Road NW, Washington, D.C. 20016
35	Julie Anne Selby	907 Iris Street, Lake Charles, LA 70601
36	Jardin Properties, Inc.	P. O. Box 18010, Lake Charles, LA 70616-8010
37	Joe A Bordages (Joseph Adriance Bordages, Jr.)	18 Towhee Rd, Hilton Head Island, SC 29926
38	Ian R. Underwood	138 E. 13th Street, New York, NY 10003-53067
39	Joanna DeHaven Underwood	138 E. 13th Street, New York, NY 10003-53067
40	Virginia Fraser Stern	138 E. 13th Street, New York, NY 10003-53067
41	Donald Wyatt Heisig, et al	P. O. Box 17, Holt, CA 95234
42	Piper Reagh Heisig a/k/a/ Andra Marie Heisig	P. O. Box 17, Holt, CA 95234
43	Mary Patricia Heisig Carlisi	P. O. Box 17, Holt, CA 95234
44	Susan Marie Hopson Ashley	108 Longwood Avenue, Lakeway, TX 78734
45	Pollyanna Rosalie Hopson	103 Yacht Court, Lakeway, TX 78734
46	Carolyn Lee Hopson Farris	5033 Willowbend Drive, Murfreesboro, TN 37128
47	Jerry L. Hopson	2001 Parker Lane Apt 133, Austin, TX 78741-3849
48	William Harrison Valentine	6596 Cairo-Dixie Road, Corydon, KY 42406
49	Gail Marie Valentine Beresford	2740 Sunset Lane, Henderson, KY 42420-2035
50	Barry Marvin Valentine	2949 Parham Road, Westlake, LA 70669-8008
51	Marianne Bell Tweel	86 Camelot, Huntington, WV 25701
52	Margaret Helen Ratliff	2601 Marsh, Unit 313, Plano, TX 75093
53	Cox Cox Filo Camel & Wilson LLC; Re: James J. and Marilyn Cox	723 Broad Street, Lake Charles, LA 70601
54	Lane Martin Kincannon	6231 Wigton, Houston, TX 77096
55	Dale Craig Kincannon	434 Karen Drive, Lafayette, LA 70503
56	3N75 Trust	c/o Mr. A. J. Gray III, One Lakeshore Dr, Lake Charles, LA 70601
57	Willis Noland Testamentary Trust for Amanda Noland with Lester Langley, Jr. as Trustee	205 W. College Street, Lake Charles, LA 70605
58	Arthur L. Gayle, Jr.	c/o Mr. Robert Owen Gayle, 1217 11th St, Lake Charles, LA 70601
59	Willis W. Gayle	c/o Mr. Robert Owen Gayle, 1217 11th St, Lake Charles, LA 70601

25. Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Waterbody

	Name	Address
60	James F. Gayle	c/o Mr. Robert Owen Gayle, 1217 11th St, Lake Charles, LA 70601
61	William Gedge Gayle, Jr.	c/o Mr. Robert Owen Gayle, 1217 11th St, Lake Charles, LA 70601
62	Shirley Sue Gayle Giesing (now Buck)	c/o Mr. Robert Owen Gayle, 1217 11th St, Lake Charles, LA 70601
63	Robert Owen Gayle	c/o Mr. Robert Owen Gayle, 1217 11th St, Lake Charles, LA 70601
64	Mount W. Talbot Family Trust (An Irrevocable Trust)	700 Santa Anna Drive, Lake Charles, LA 70611
65	Janice Muller Davis Robson (the Janice Davis Robson, Trustee under Self-Declaration Trust, an Illinois Revocable Trust)	c/o Mr. C. Eston Singletary, Attorney at Law 901 Lakeshore Drive, Suite 900, Lake Charles, LA 70601
66	David R. Reinauer	409 Iris Street, Lake Charles, LA 70601
67	Glaser Family Limited Partnership	c/o P.O.Box 515, Boutte, LA 70039
68	Susan R. Foreman (now Zane)	42 East Bend Lane, Houston, TX 77007-7024
69	Alma Royal Kling (Deceased)	Not available
70	Arthur L. Stern, John R. Meir, etc. Trust: Arthur L. Stern, Co-Trustee John D. Mier, Co-Trustee	 6601 Wenonga Road, Mission Hills, KS 66208 3601 96th Street, Overland Park, KS 66206
71	John D. Mier	3601 96th Street, Overland Park, KS 66206
72	Sally Mier	3053 Fulton Circle, Boulder, CO 80301
73	Muriel O. Levinson	715 West 99th Terrace, Kansas City, MO 64114
74	Douglas P. Lerner	160 South 33rd Street, Boulder, CO 80305-3426
75	Drew M. Lerner	9727 Craig Drive, Overland Park, KS 66212
76	Reid S. Lerner	13365 West 265th Street, Louisburg, KS 66053
77	Arthur L. Stern	6601 Wenonga Road, Mission Hills, KS 66208
78	Michael Snur	2367 Willark Drive, NW, Salem, OR 97034
79	Cary S. Solomon	1105 North Montgomery Street, Ojai, CA 93023
80	Amy S. Tilley	3848 SW 36th Place, Portland, OR 97221
81	William A. Snur	1741 Via Boronada, Palos Verdes Estates, CA 90274
82	Laura Leach, born Alexander	c/o Mr. Claude "Buddy" Leach, PO Box 997, Lake Charles, LA 70602
83	Henry Chalkley Alexander	c/o Mr. Claude "Buddy" Leach, PO Box 997, Lake Charles, LA 70602
84	Elizabeth Shutts Woodward	Not available
85	Martha A. Babcock and Ruth B. Chantey	c/o P. O. Box 3023, Lake Charles, LA 70602
86	Nina Banker Shutts	c/o P. O. Box 3023, Lake Charles, LA 70602
87	Eleanor Ruth Hoyerman	c/o P. O. Box 3023, Lake Charles, LA 70602
88	Palvest Inc.	2701 Maplewood Drive, Sulphur, LA 70663
89	Fitzhugh Elder III	P. O. Box 586, Alexandria, VA 22313

25. Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Waterbody

	Name	Address
90	Elaine Elder King McCarrick	1220 Windsor Ln, Staunton, VA 24401
91	Jane Shea Peters	10511 Briar Brook Ln, Frisco, TX 75034
92	Mary Lisle Peters	13303 Ox Bridge St, San Antonio, TX 78232-4828
93	Patricia Peters Ingram	1233 Inverness Drive, Lake Charles, LA 70605-2617
94	William Lee Smith	1750 30th St #210, Boulder, CO 80301
95	Shelley Smith Ingram	4211 New Bern Place, Durham, NC 27707
96	Barbara Smith Somerville	7272 Westwood Way, Sarasota, FL 34241-9415
97	Elaine Matilda Tieman Trust, c/o Fred T. Currie	P. O. Box 512, Karnes City, TX 78118
98	John Milnor Paret	P. O. Box 1036, Mineral Wells, TX 76068-1036
99	FLB/CBB Family Limited Partnership et al	10 S Briar Hollow Ln Unit 80, Houston, TX 77027-2824
100	Lucy Lee Miller Higgins	6416 Lakehurst Ave, Dallas, TX 75230-5131
101	Charles Brigham Miller	11426 Stoney Falls Fr, Houston, TX 77095
102	Mary Elizabeth Miller Huggins	P. O. Box 644, Alma, NE 68920-0644
103	George L Catlin Revocable Trust	2 Branding Iron Lane, Rolling Hills Estate, CA 90274
104	Elaine Adair Tieman Currie Urbanczyk, c/o Frederick T. Currie	P. O. Box 512, Karnes City, TX 78118
105	Mrs Nancy Portwood Monday Glass	201 Bugtussle Rd, Fayetteville, TN 37334
106	Charles Barret Monday II	11405 Quail Hollow, Houston, TX 77024-6520
107	Mary Martha Gilpin Miller et al	911 Contraband Ave, Lake Charles, 70605-1434
108	Edgar Miller Jr.	3829 Burgoyne Dr, Lake Charles, 70605-2609
109	Ernest Martin Miller Testamentary Trust et al	3219 Henderson Bayou Rd, Lake Charles, LA 70605
110	Nancy Jane Wigle Torrey et al	410 Confederate Lane, Windsor, NC 27983
111	John Gardere Miller	3833 Burgoyne Lane, Lake Charles, LA 70605-2609
112	Lorraine W Williams Testamentary Trust et al, c/o ICG	P. O. Box 8265, Wichita Falls, TX 76307-0490
113	James T Quinn	611 Ravia Rd, Sulphur, LA 70665
114	Dolen K. Areno	Not available
115	Dwight Rodney Areno	Not available
116	Harold N. Areno	2249 Bayou D'Inde Pass Rd, Westlake, LA 70669
117	Janice L. Areno	1220 Gant Road, Sulphur, LA 70663
118	Jerry William Areno	2312 Hardey Road, Westlake, LA 70669
119	John Paul Areno III	428 Highway 108, Sulphur, LA 70663
120	Jonathan W. Areno	Not available
121	Norman K. Areno	Not available
122	Yvonne Tower Battaglia	3001 5th Avenue, Lake Charles, LA 70601

25. Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Waterbody

	Name	Address
123	Beulah Areno Burnett	Route 1 Box 96K, DeQuincy, LA 70633
124	Emma West Bushnell	230 Pecan Street, Sulphur, LA 70663
125	LaJuana Areno Coleman	Not available
126	Lillie Mae Areno Dickinson Burnett	104 Sam Dunham Road, Sulphur, LA 70663
127	Judy Areno Frye	P. O. Box 1256, Marshall, TX 75671
128	Joyce Areno Gant	1232 Gant Road, Sulphur, LA 70663
129	Jacob Hebert	417 N, Huntington Street, Sulphur, LA 70663
130	Mark Hebert	921 Woodland Drive, Sulphur, LA 70663
131	Patricia Tower Hebert	520 Wayside Drive, Westlake, LA 70669
132	Mildred West Hillard	P. O. Box 105, Feesburg, OH 45119
133	Dena Areno Lee	Not available
134	Sarah Hebert Moyer	925 Kirby Street, Sulphur, LA 70663
135	Faye West Roach	Rt. 4 Box 296, Orange, TX 77630
136	Mildred Inell West Rodriguez	531 Polly Avenue N., Renton, WA 98055
137	Brenda West Spears	P. O. Box 1407, Kinder, LA 70648
138	Duane G. Tower	1028 Hickman Street, Westlake, LA 70669
139	Julia Areno Tower	585 W Dave Dugas Rd, Sulphur, LA 70665
140	Roscoe D. Tower	108 Dubach St, Sulphur, LA 70663
141	Patrick Conway West	Route 1 Box 57, Longville, LA 70652
142	Jonell Areno Wilkinson	200 W. Houston River Road, Sulphur, LA 70663
143	Jesse Floyd Kleinpeter, Jr. et ux	1934 Lighthouse Lane, Westlake, LA 70669
144	Jesse Floyd Kleinpeter	Not available
145	Clara Mae Cavin Kleinpeter	Not available
146	Harold Areno and Annette B. Areno	2249 Bayou D'Inde Pass Rd, Westlake, LA 70669
147	Dulin Clifton Crumpler	2952 Davis Rd, Westlake, LA 70669
148	Michael Dean Moss	119 S. Aracobra St, Sulphur, LA 70663
149	Dorothy Joyce AndrusWainright	2611 Bens Branch Dr, Kingwood, TX 77339
150	E. R. (Elmus) Wicker	1315 Nancy St, Bloomington, IN 47401
151	Rodger Allen Sumpter and Avis Christine Smith Sumpter	2420 St. Joseph St, Sulphur, LA 70663
152	McFatter Properties, LLC; Thomas Max McFatter, Jr., Manager	801 Shell Beach Drive, Lake Charles, LA 70601
153	Marion C. Riller Moss	1437 Tennessee St, Lake Charles, LA 70607
154	Myrna Kathleen Moss Smith	21102 Roydencrest Dr, Spring, TX 77388
155	Succession of Kenneth Van Moss; Matthew Ryan Moss, Admin.	121 Heather St, Lake Charles, LA 70605

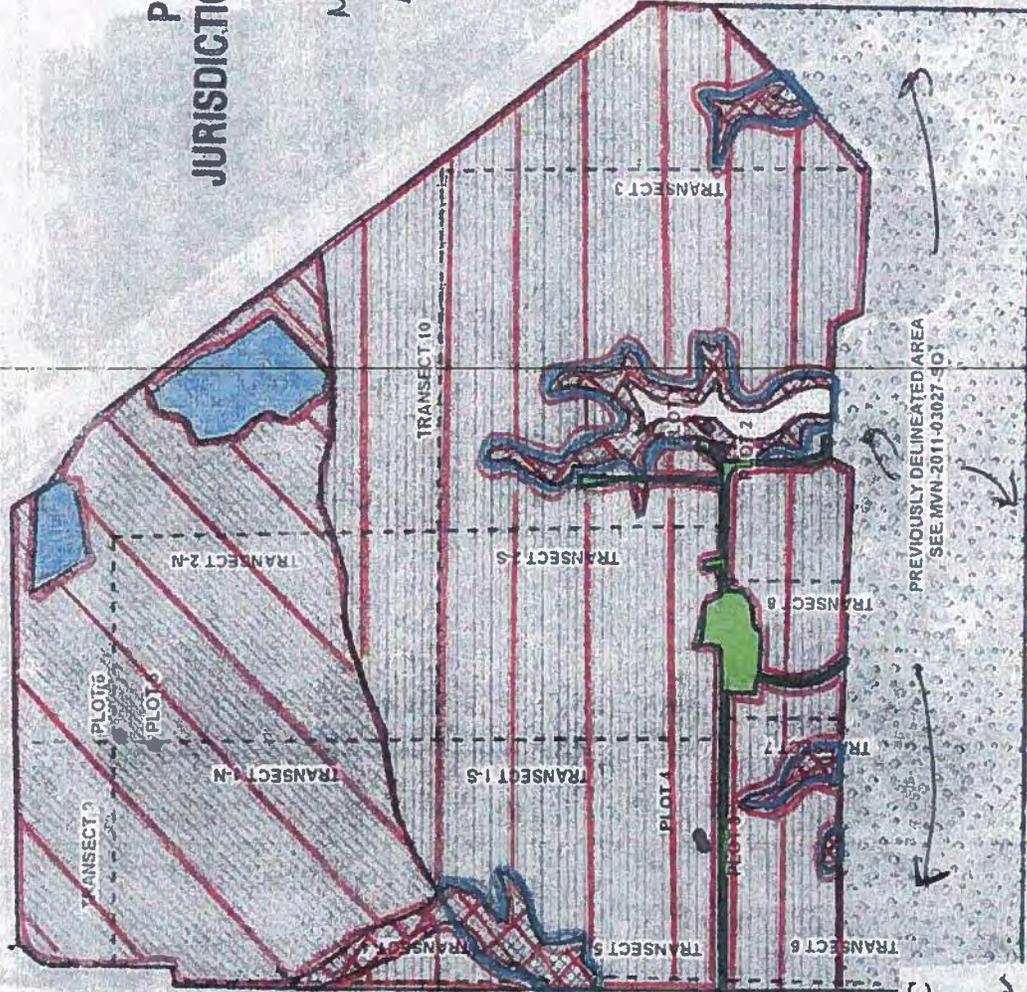
25. Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Waterbody

	Name	Address
156	Henry Marvin Moss	3425 Davis Rd, Westlake, LA 70669
157	Lee Ann Hebert	17097 Jamestowne Dr, Prairieville, LA 70769
158	Gilbert Ivan Tennison	261 Starlin Dr, Sulphur, LA 70663
159	Robert Martin Moss	1120 Andrew Mouhot Rd, Ragley, LA 70657
160	Gary Newton Moss	410 Wildflower, Sulphur, LA 70665
161	Don Taylor Moss	465 Mid Rd, DeQuincy, LA 70633
162	Thomas David Moss	236 Lonnie Smith Rd, Sulphur, LA 70663
163	Beverly Jane Moss Scholtens	4628 Maplewood Dr, Sulphur, LA 70663
164	Mary Melissa Moss Mistrzak	2022 Bennett St, DeRidder, LA 70634
165	Jill Amanda Moss Hines	1504 Julie Dr, Sulphur, LA 70663
166	Paula Celeste Carmouche Power	18711 Arcaro Glen Court, Humble, TX 77346
167	Eleanor Gayle Carmouche Vicknair	4525 Summerdale ST, Lake Charles, LA 70605
168	Edwin Franklin Carmouche	820 Circle Hill Road, Louisville, KY 40207
169	Charles Hunter Carmouche	18549 N. Joor Rd, Zachary, LA 70791
170	Edward M. Carmouche, Jr.	641 11th St, lake Charles, LA 70601
171	Maura Carmouche Mize	1109 Laura Lane, Lake Charles, LA 70605
172	Virginia Carmouche Emory	916 Schooner Cove Ln, League City, TX 77573-7769
173	Pierre Auguste Carmouche Trust; Lili Long, Trustee	3820 Lake Street, Lake Charles, LA 70605
174	Timothy Lane Vincent	117 S. 13th St, Oakdale, LA 71463
175	Diane Darlene Vincent Bordelon	117 S. 13th St, Oakdale, LA 71463
176	Nancy Annette Vincent Hulick	160 Huntington Dr, Pineville, LA 71360
177	Michael Paul Grantham	117 S. 13th St, Oakdale, LA 71463
178	Dorothy Vincent	117 S. 13th St, Oakdale, LA 71463
179	Kandus Lynn Vincent	117 S. 13th St, Oakdale, LA 71463
180	Charles Lee Moss, Jr.	726 South Ave H, Crowley, LA 70526
181	Claudia Lynn Moss Spillers	346 County Rd 2313, Dayton, TX 77535
182	Tamma Katina Moss Whitman	3056 Nanna Street, Lake Charles, LA 70615
183	WashAmerica Inc. (BW Services)	3700 Pete Manena Rd, Westlake, LA 70669
184	CITGO Petroleum Corporation	P. O. Box 3758, Tulsa, OK 74102-3758
185	Texas Petroleum Investment Company	5850 San Felipe, Suite 250, Houston, TX 77057

ATTACHMENT F
JURISDICTIONAL DETERMINATION MAPS
Ethylene Plant Expansion Project

PRELIMINARY JURISDICTIONAL DETERMINATION

↑ NOT PART →



↑ NOT PART OF DETERMINATION →

USACE Acct. # MVN-2013-01248-SC
 For b. Johnson, consultant's field data obo
 Axiall Corp. fsv 6-19-13, 7-10-13 gmc
 Lat. 30.216347, Long. -93.301938 6-14-13 Gw
 Sec. 4, 5, 8 & 9, T10S, R9W, Calcasieu Parish, LA

-  NON WETLANDS (5.7 ACRES)
-  OTHER WATER - SEC 404
-  - SEC 10/404 WATER OF U.S.
-  100% WETLANDS (16.54 ACRES) - SEC 10/404 WETLAND
-  43% WETLANDS (54.6 WET ACRES)
-  46% WETLANDS (11.144 WET ACRES)

TOTAL WETLAND ACRES 192.7

ANADIR ENVIRONMENTAL SOLUTIONS

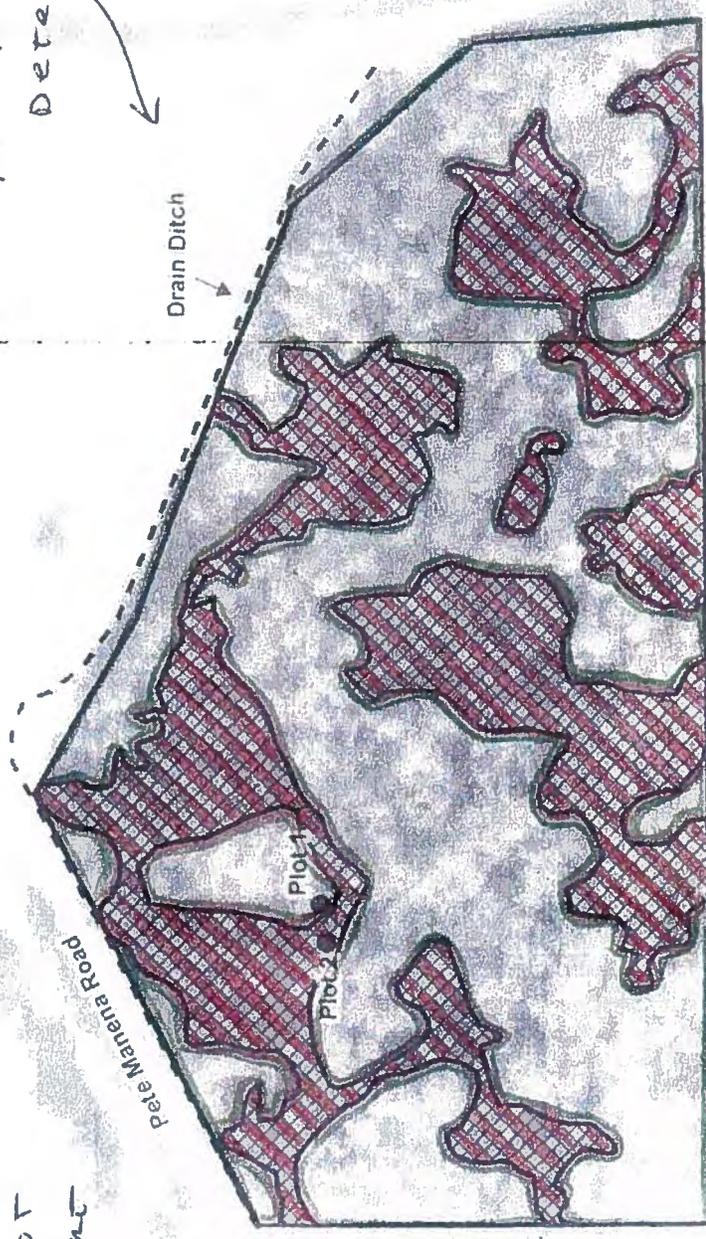
FIGURE 2
SITE DIAGRAM
 WETLAND DELINEATION
 AXIALL CORPORATION
 BORLAGES 'B' TRACT
 CALCASIEU PARISH, LOUISIANA

Drawn By:	CRH	Checked By:	CBU
Date:	3-13-13	Drawing No.:	11216-2

REVISED 7-26-2013

NOT PART OF DETERMINATION

NOT PART



Pipeline ROW

PRELIMINARY JURISDICTIONAL DETERMINATION

2013-01248-5C

USACE
 Account # MVN-2013-02408-5C
 For S.B. Johnson 630 Axial with
 Comments & Field Data
 LWT 30 225107 LowL-93.32807
 Section, Township, Range: 55, T10S, R 9W
 Parish: LA Calcasieu Parish
 LHA (S) Date: 10-29-13 GPM

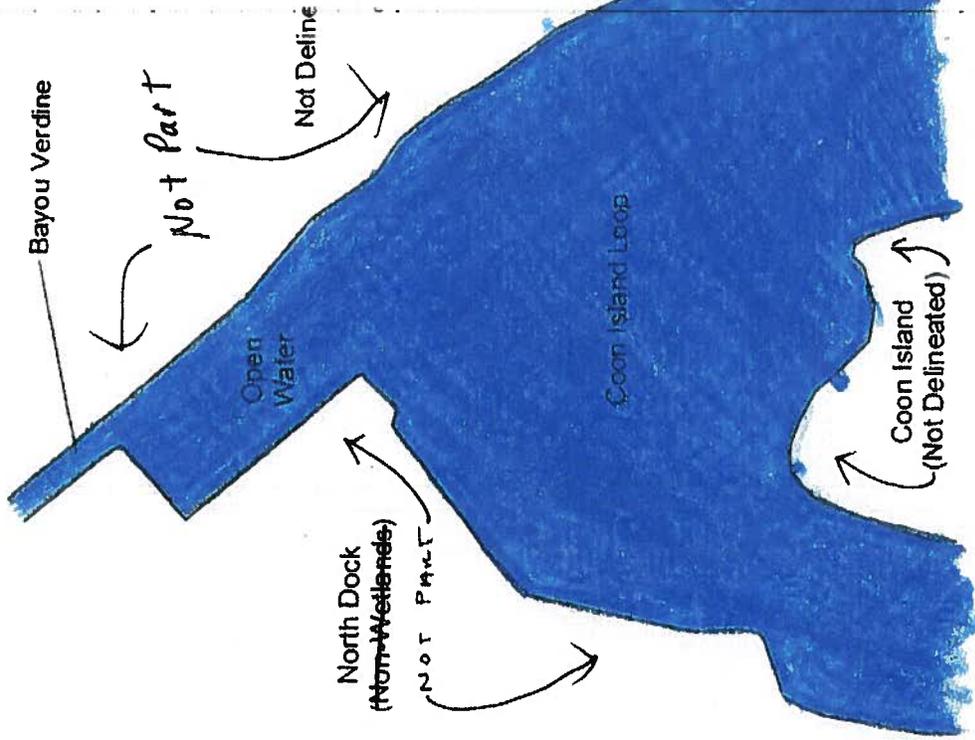


NON-WETLANDS (8.57 ACRES)
 100% WETLANDS (4.63 ACRES)
 SEC 404

ARABIE ENVIRONMENTAL SOLUTIONS		FIGURE 2	
SITE LOCATION MAP		WETLAND DELINEATION	
AXIAL CORPORATION		TRACK 34	
CALCASIEU PARISH, LOUISIANA		Checked By: CBJ	
Drawn By: CRH	Date: 9-12-13	AES Project No: 11210-2	



USACE Date: 12-12-11
 FSV 1(H) Botanist: William Nethery
 Requestor: Austin R. Arabia
 # MVN- 2011-03027-SQ 10/10
 ☐ - Waters of the US (10/10/04)



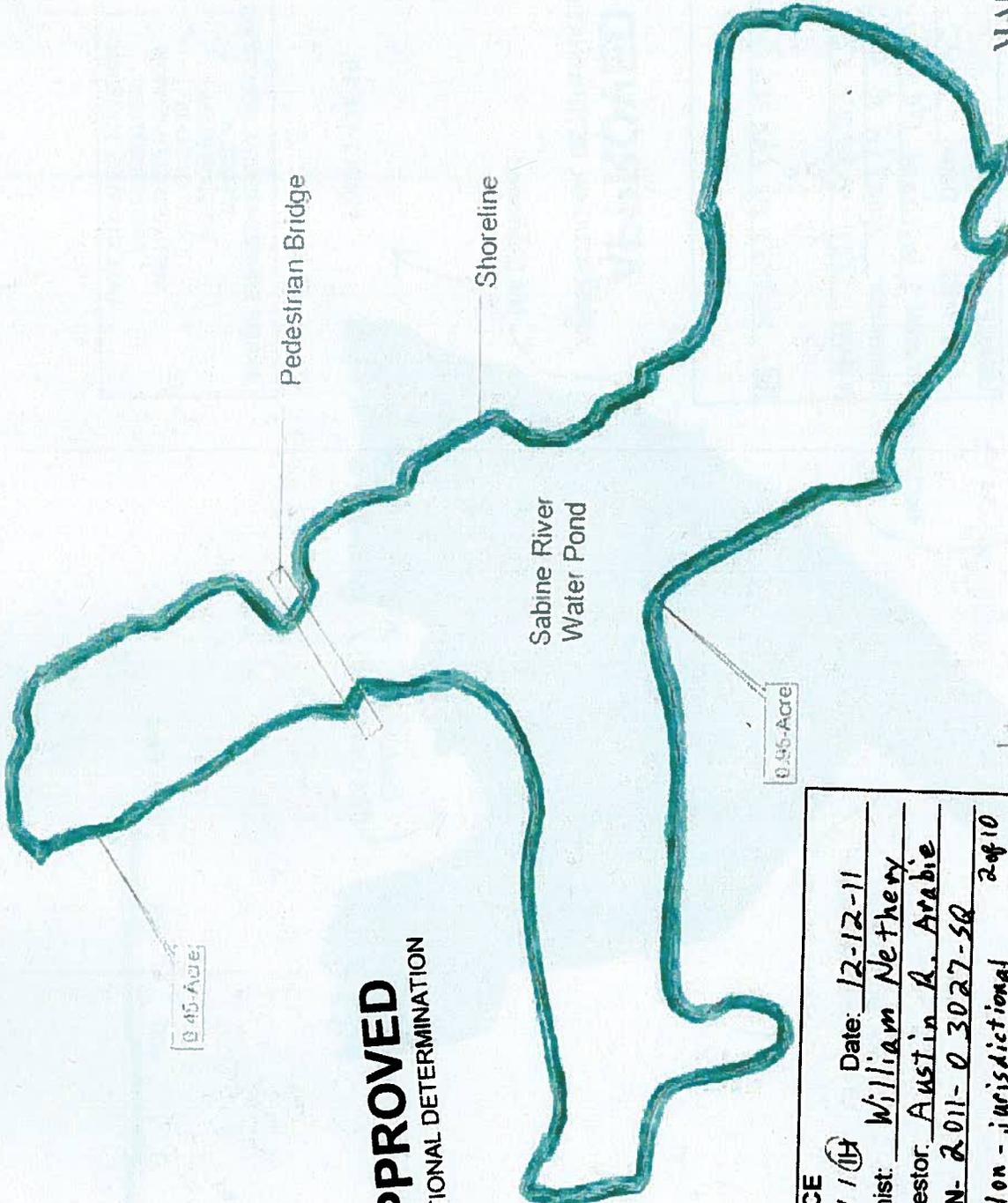
APPROVED
 JURISDICTIONAL DETERMINATION

Not Delineated

MAP 1 OF 10

ARABIE ENVIRONMENTAL SOLUTIONS, INC.
 FIGURE 4
 SITE DIAGRAM
 NORTH DOCK
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA





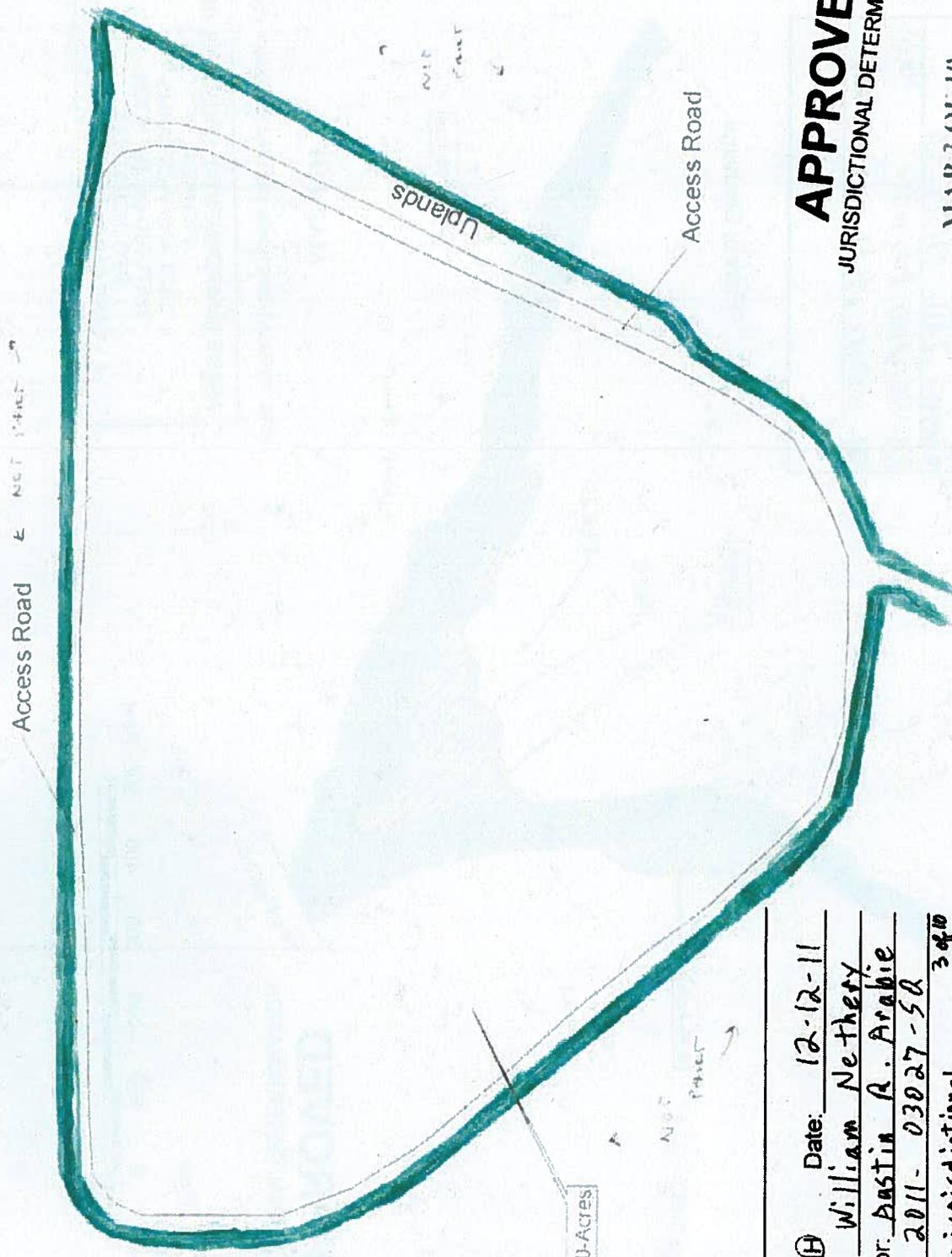
APPROVED
JURISDICTIONAL DETERMINATION

USACE	Date: 12-12-11
FSV / 104	Botanist: William Nethery
	Requestor: Austin R. Arabie
	# MVN- 2011-03027-SR
<input checked="" type="checkbox"/> - Non-jurisdictional	2 of 10
<input type="checkbox"/> -	



MAP 2 OF 10

ARABIE ENVIRONMENTAL SOLUTIONS INC
 FIGURE 5
 SABINE RIVER WATER POND
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA



APPROVED
 JURISDICTIONAL DETERMINATION

MAP 3 OF 10

ARABIE ENVIRONMENTAL SOLUTIONS, INC
 FIGURE 6
 SABINE RIVER WATER SETTLING BASIN
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA

USACE

FSV / Date: 12-12-11

Botanist: William Nethery

Requestor: Justin A. Arabie

#MVN- 2011-03027-5A

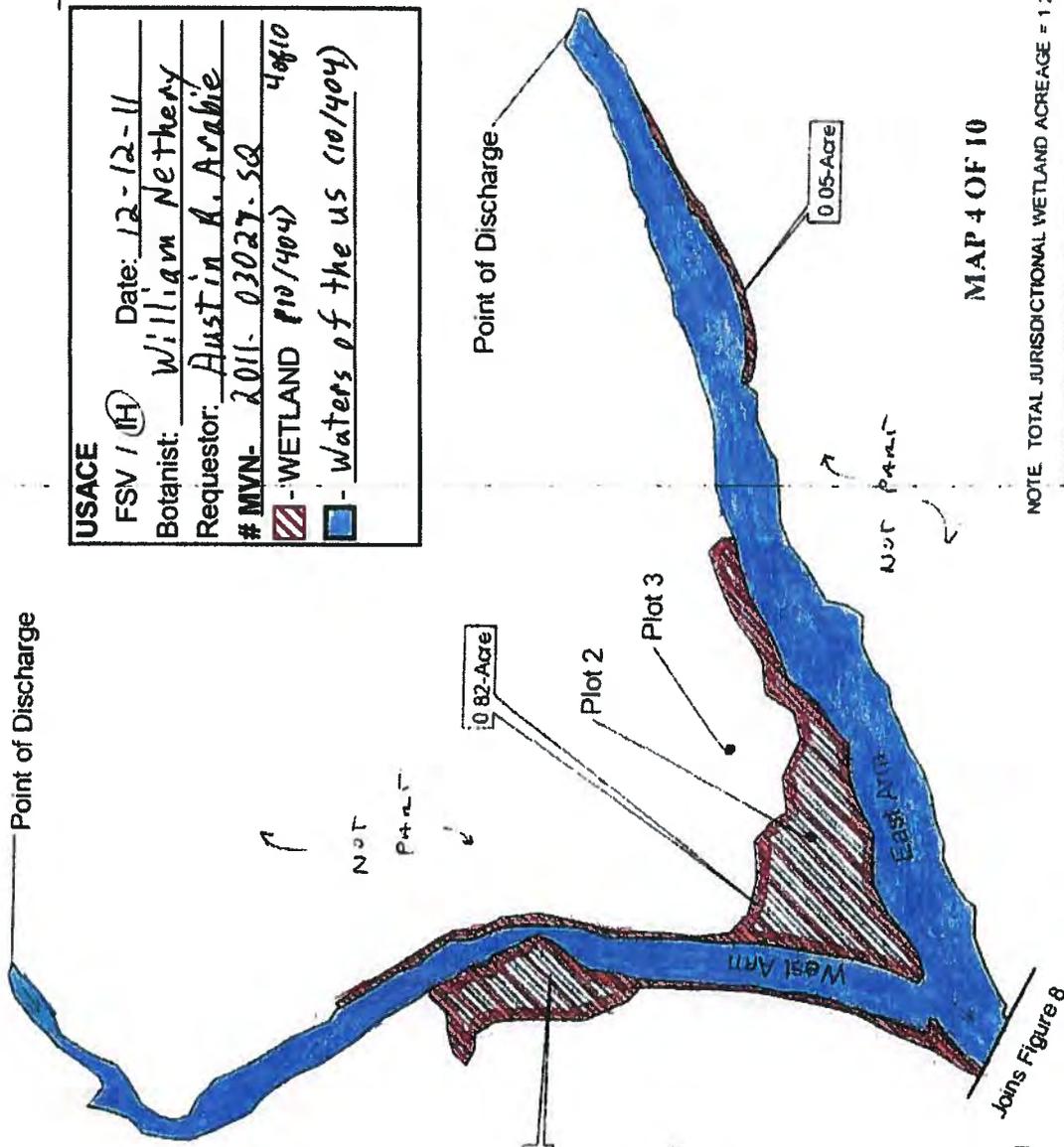
- Non-jurisdictional 3 of 10

- _____





USACE	Date: 12-12-11
FSV 1 (H)	Botanist: William Nethery
Requestor: Austin K. Arabie	#MVN- 2011-03027-SQ 40610
- WETLAND (10/404)	- Waters of the US (10/404)



APPROVED
 JURISDICTIONAL DETERMINATION

MAP 4 OF 10

NOTE: TOTAL JURISDICTIONAL WETLAND ACREAGE = 1.26 ACRES

ARABIE ENVIRONMENTAL SOLUTIONS, INC
 FIGURE 7
 EAST AND WEST ARMS
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA





Joins Figure 7

Bridge

0.22-Acre

Shoreline of Bypass Canal

Northern Permitted Plug

Plot 4

0.75-Acre

(10/404)

0.34-Acre

Bypass Canal

(10/404)

Uplands

0.70-Acre

1.14-Acre

0.29-Acre

Bypass Canal

USACE	FSV 1 (H)	Date: 12-12-11
Botanist: William Nethery		
Requestor: Austin R. Arabia		
# MVN- 2011-03027-52		
- WETLAND (10 and/or 404)	5 of 10	
- NON-WETLAND/Previously Authorized Fill		
- Waters of the US (10/404)		

- SEC. 404 WATER OF THE U.S.

MAP 5 OF 10

NOTE: TOTAL WETLAND ACREAGE = 4.07-ACRES

ARABIE ENVIRONMENTAL SOLUTIONS, INC.
 FIGURE 8
 BYPASS AND ISOLATED CANALS (NORTH)
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA

Joins Figure 9

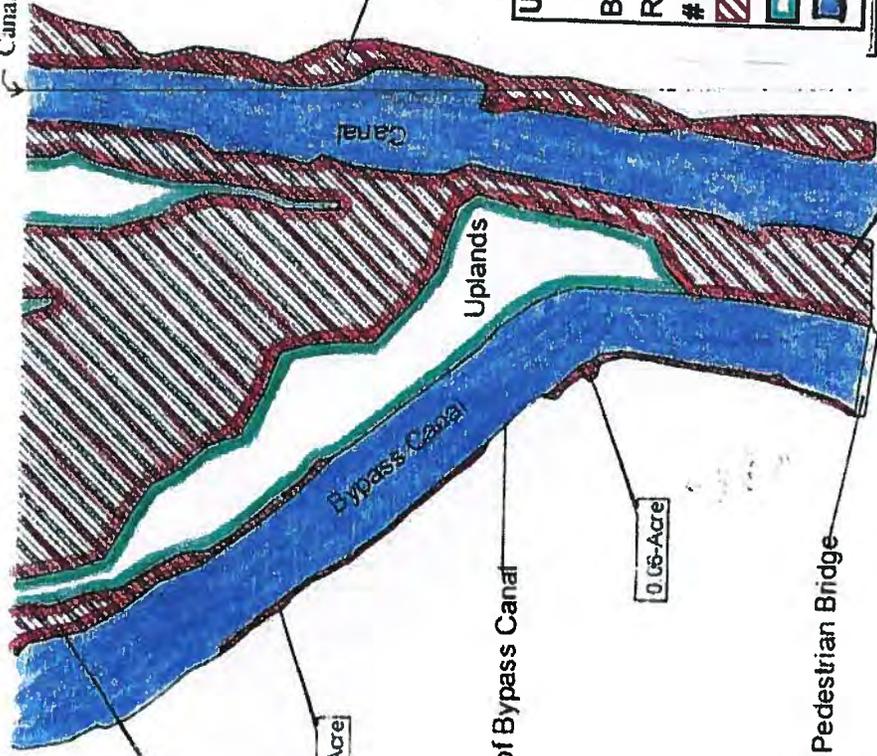
APPROVED
JURISDICTIONAL DETERMINATION





Joins Figure 8

Canal plugged with Corps permit



USACE
 FSV 11H Date: 12-12-11
 Botanist: William Nethery
 Requestor: Austin R. Arabie
 # MVN- 20H- 03027-5R 6 of 10
 [Hatched Box] - WETLAND (10/404)
 [Green Box] - Non-wetland/Previously Authorized fill
 [Blue Box] - Waters of the US (10/404)

(TIDAL)

MAP 6 OF 10

NOTE: TOTAL WETLAND ACREAGE = 5.96-ACRES

ARABIE ENVIRONMENTAL SOLUTIONS, INC
 FIGURE 9
 BYPASS AND ISOLATED CANALS (SOUTH)
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA

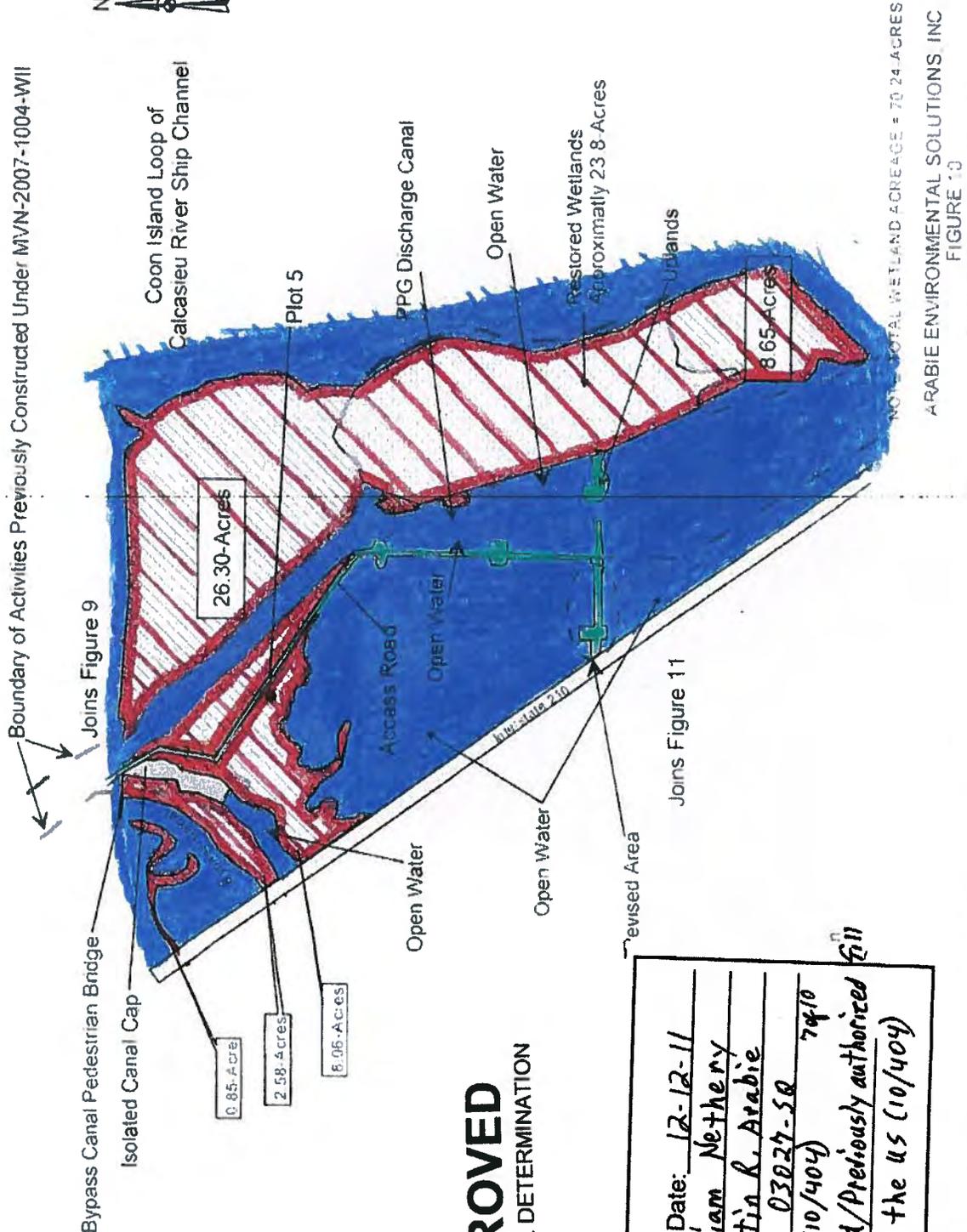
Joins Figure 10

[White Box] = SEC. 404 WATER OF THE U.S.

APPROVED

JURISDICTIONAL DETERMINATION





NOTE: TOTAL WETLAND ACREAGE = 70.24 ACRES

ARABIE ENVIRONMENTAL SOLUTIONS, INC

FIGURE 10

LOCKPORT MARSH (EAST) WETLAND DELINEATION

PPG INDUSTRIES

LAKE CHARLES, LOUISIANA

Revised October 27, 2011

APPROVED

JURISDICTIONAL DETERMINATION

USACE

FSV 1, (H) Date: 12-12-11

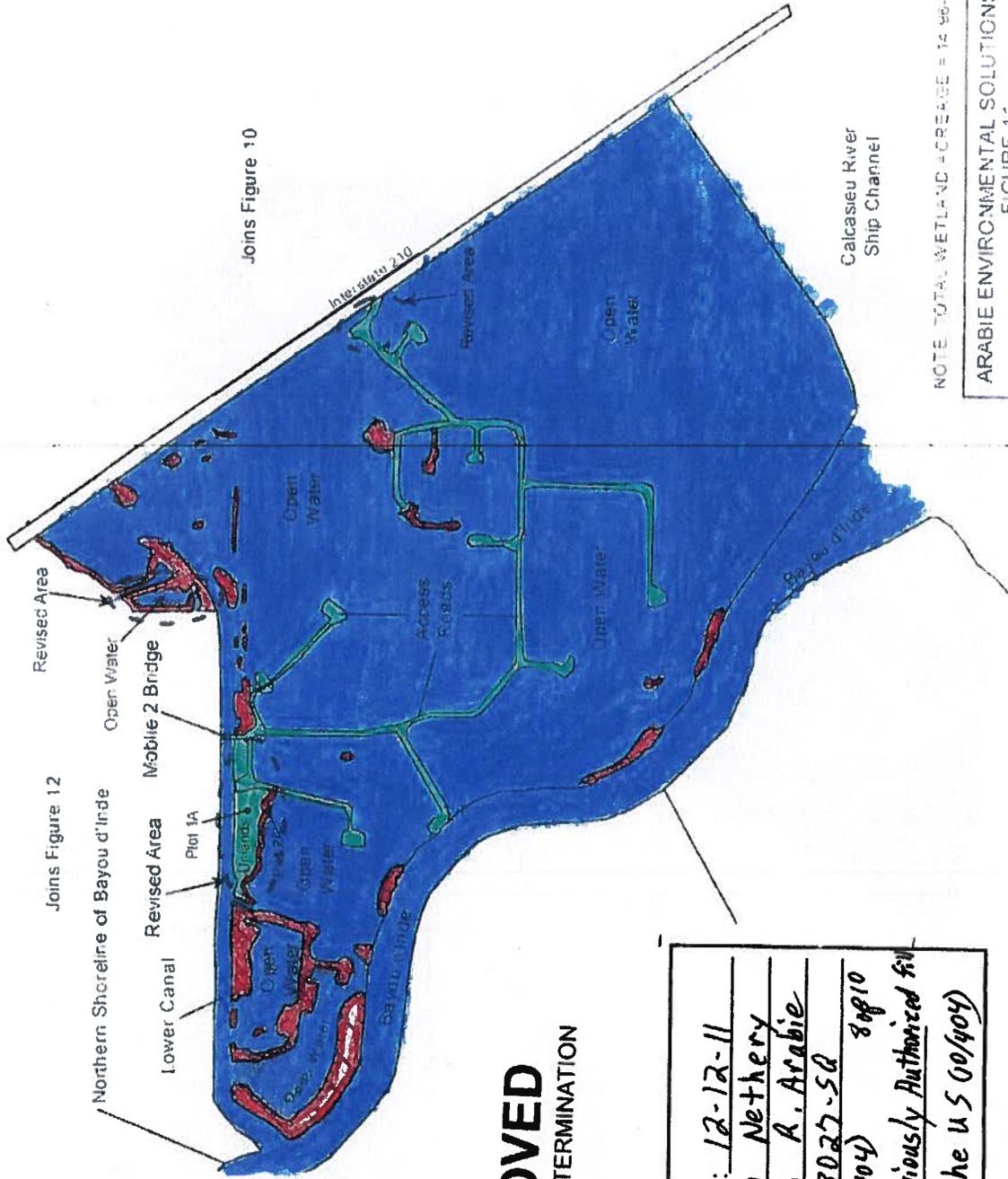
Botanist: William Nethery

Requestor: Austin R. Arabie

MVN- 2011- 03027-50 7 of 10

- WETLAND (10/404)
 - Nonwetland/Previously authorized fill
 - Waters of the US (10/404)





Joins Figure 10

Joins Figure 12

APPROVED

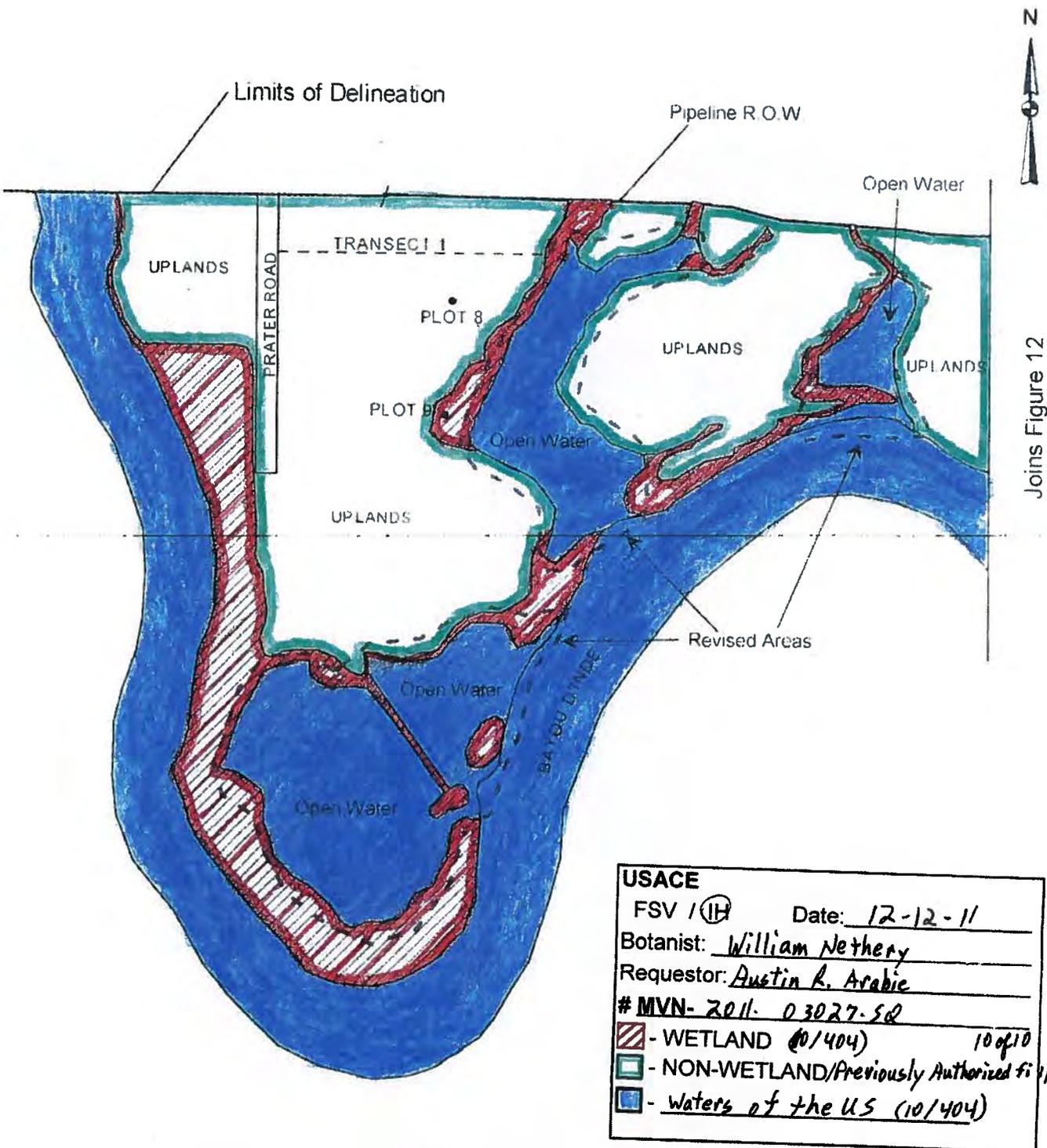
JURISDICTIONAL DETERMINATION

USACE	FSV 1 (A)	Date: 12-12-11
Botanist:	William Nethery	
Requestor:	Austin A. Arabie	
# MVN-2011-	03027-5d	8 of 10
	- WETLAND (10/404)	
	- Non-wetland/Previously Authorized fill	
	- Waters of the US (00/404)	



NOTE: TOTAL WETLAND CREAGE = 14.96 ACRES

ARABIE ENVIRONMENTAL SOLUTIONS, INC
 FIGURE 11
 LOCKPORT MARSH (WEST)
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA
 Revised October 27, 2011



APPROVED
 JURISDICTIONAL DETERMINATION



NOTE: TOTAL WETLAND ACREAGE = 13.3 ACRES
 ARABIE ENVIRONMENTAL SOLUTIONS, INC.
 FIGURE 13
 BAYOU D'INDE
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA

Revised October 27, 2011

Joins Figure 12



Bayou Verdine

Open Water

Not Delineated

North Dock
(Non-Wetlands)
NOT PART

USACE Acct. # MVN-2006-2191-SC
For R. Brown, ih 12-14-06 gmc
Sections 3, 4, 9, & 10, T10S, R9W, Calcasieu Parish, La.



= SEC. 10/404 NAVIGABLE WATERS OF U.S.

Coon Island Loop

APPROVED
JURISDICTIONAL DETERMINATION

Not Delineated

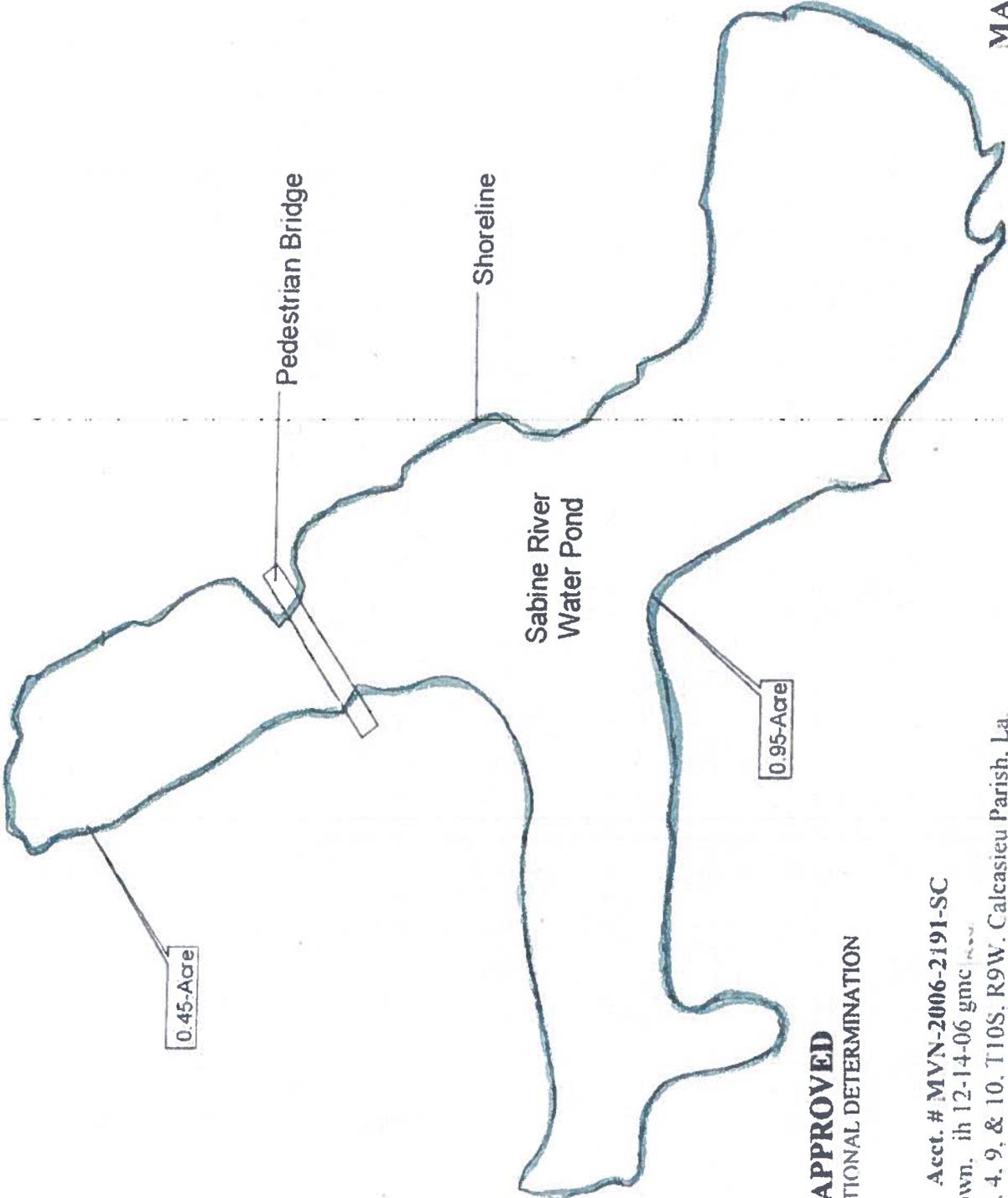
Coon Island
(Not Delineated)

MAP 1 OF 10

NOTE: NO WETLANDS PRESENT

ARABIE ENVIRONMENTAL SOLUTIONS, INC.
FIGURE 4
SITE DIAGRAM
NORTH DOCK
WETLAND DELINEATION
PPG INDUSTRIES
LAKE CHARLES, LOUISIANA





APPROVED
 JURISDICTIONAL DETERMINATION

USACE Acct. # MVN-2006-2191-SC
 For R. Brown, ih 12-14-06 gmc
 Sections 3, 4, 9, & 10, T10S, R9W, Calcasieu Parish, La.

 = NOT A WETLAND OR OTHER WATER OF THE U.S.

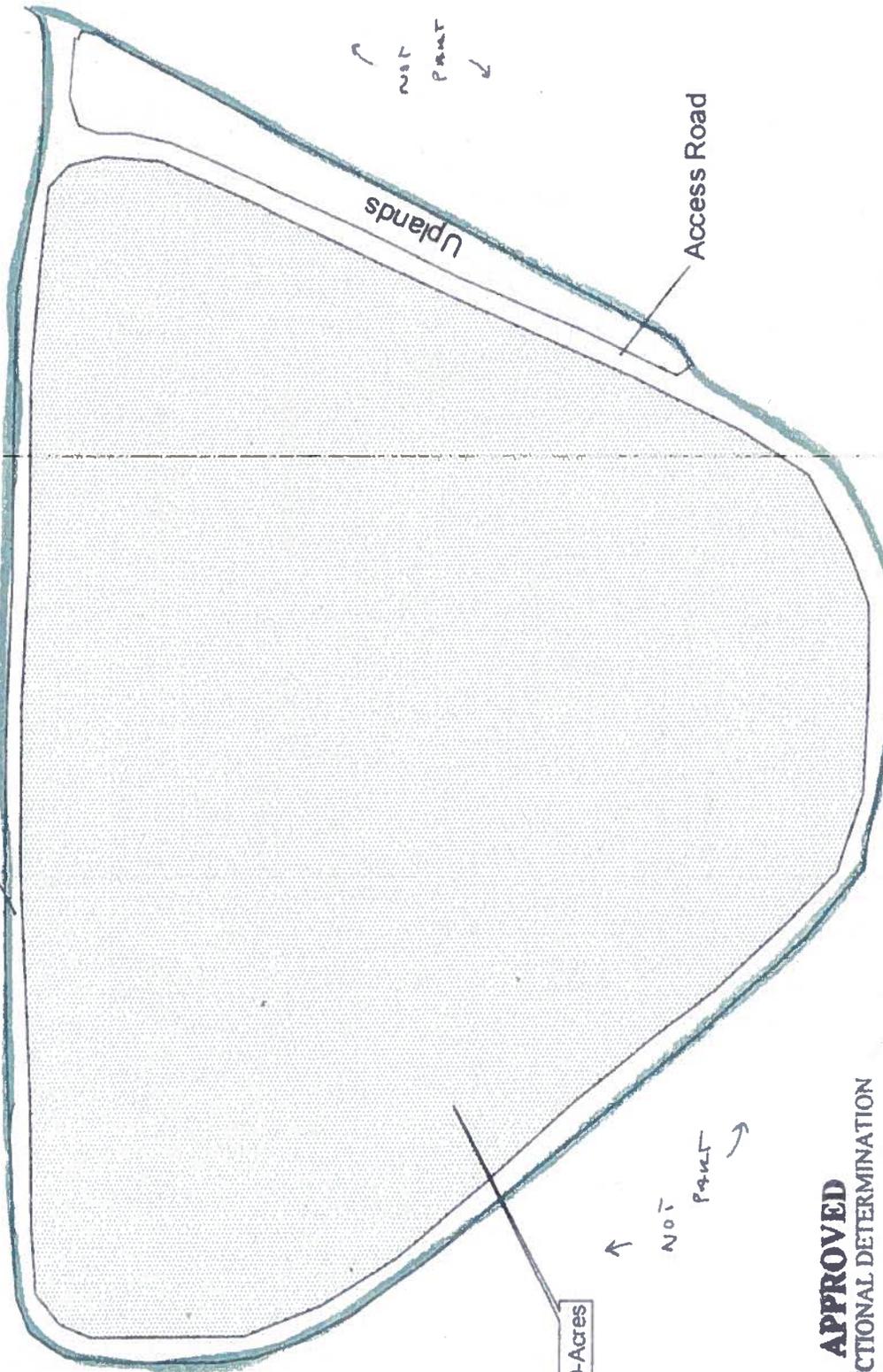


MAP 2 OF 10

ARABIE ENVIRONMENTAL SOLUTIONS, INC.
 FIGURE 5
 SABINE RIVER WATER POND
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA



← NOT PAINT →



NOT PAINT

Access Road

Uplands

9.80-Acres

↑ NOT PAINT →

APPROVED
JURISDICTIONAL DETERMINATION

USACE Acct. # MVN-2006-2191-SC
For R. Brown. ih 12-14-06 gmc
Sections 3, 4, 9, & 10, T10S, R9W, Calcasieu Parish, La.

□ = NOT A WETLAND OR OTHER WATER OF THE U.S.



MAP 3 OF 10

ARABIE ENVIRONMENTAL SOLUTIONS, INC.
FIGURE 6
SABINE RIVER WATER SETTLING BASIN
WETLAND DELINEATION
PPG INDUSTRIES
LAKE CHARLES, LOUISIANA

Point of Discharge



USACE Acct. # MVN-2006-2191-SC
For R. Brown, ih 12-14-06 gmc
Sections 3, 4, 9, & 10, T10S, R9W, Calcasieu Parish, La.

 = SEC. 10/404 NAVIGABLE WATERS OF U.S. (TIDAL)
 = SEC. 10/404 WETLAND

Point of Discharge

0.39-Acre

NOT PART

Plot 2

Plot 3

0.82-Acre

NOT PART

0.05-Acre

West Arm

East Arm

Joins Figure 8

MAP 4 OF 10

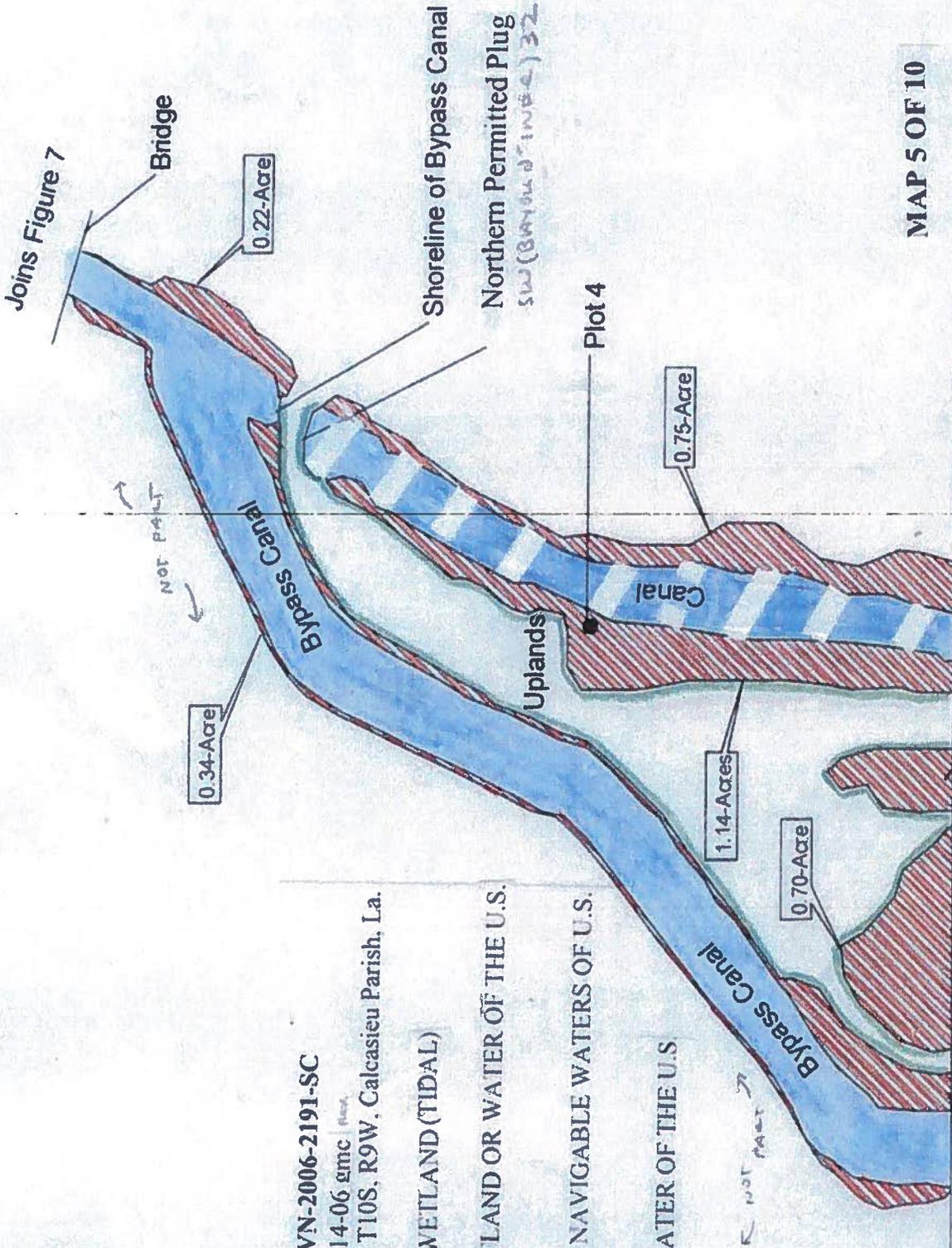
APPROVED
JURISDICTIONAL DETERMINATION

NOTE: TOTAL JURISDICTIONAL WETLAND ACREAGE = 1.26-ACRES

ARABIE ENVIRONMENTAL SOLUTIONS, INC.
FIGURE 7
EAST AND WEST ARMS
WETLAND DELINEATION
PPG INDUSTRIES
LAKE CHARLES, LOUISIANA

↑ Flow





MAP 5 OF 10

NOTE: TOTAL WETLAND ACREAGE = 4.07-ACRES

ARABIE ENVIRONMENTAL SOLUTIONS, INC.
 FIGURE 8
 BYPASS AND ISOLATED CANALS (NORTH)
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA

USACE Acct. # MVN-2006-2191-SC
 For R. Brown, ih 12-14-06 gmc
 Sections 3, 4, 9, & 10, T10S, R9W, Calcasieu Parish, La.

-  = SEC. 10/404 WETLAND (TIDAL)
-  = NOT A WETLAND OR WATER OF THE U.S.
-  = SEC. 10/404 NAVIGABLE WATERS OF U.S. (TIDAL)
-  = SEC. 404 WATER OF THE U.S.

Joins Figure 9

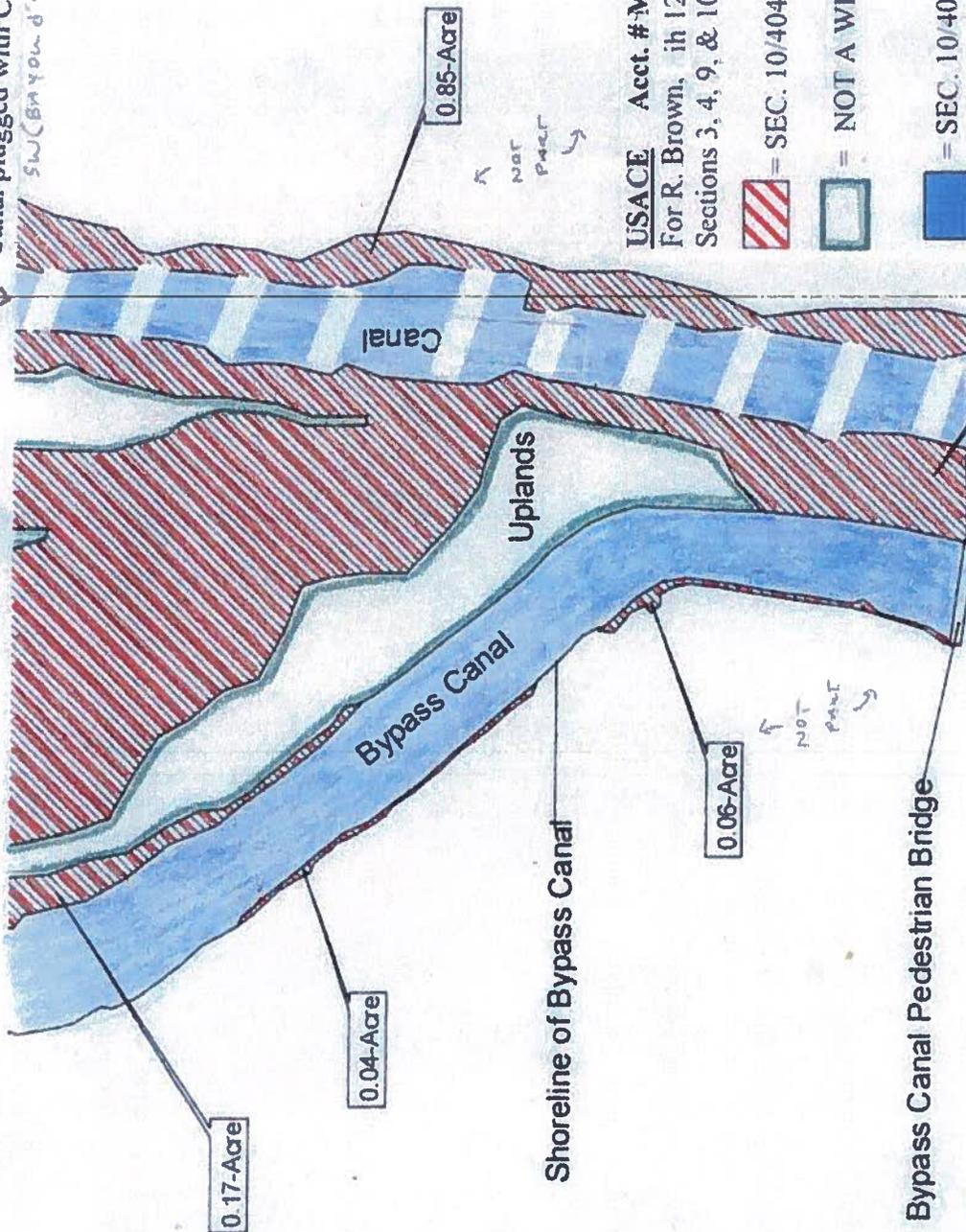
APPROVED
 JURISDICTIONAL DETERMINATION





Joins Figure 8

Canal plugged with Corps permit
SW (BY YOU & INNOV) 32



Joins Figure 10

USACE Acct. # MVN-2006-2191-SC
 For R. Brown, ih 12-14-06 grmc
 Sections 3, 4, 9, & 10, T10S, R9W, Calcasieu Parish, La.

 = SEC. 10/404 WETLAND (TIDAL)

 = NOT A WETLAND OR WATER OF THE U.S.

 = SEC. 10/404 NAVIGABLE WATERS OF U.S. (TIDAL)

MAP 6 OF 10

NOTE: TOTAL WETLAND ACREAGE = 5.96-ACRES

APPROVED
 JURISDICTIONAL DETERMINATION



= SEC. 404 WATER OF THE U.S.

ARABIE ENVIRONMENTAL SOLUTIONS, INC.
 FIGURE 9
 BYPASS AND ISOLATED CANALS (SOUTH)
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA



Bypass Canal Pedestrian Bridge

Joins Figure 9

Plugged Canal

10.85-Acre

2.58-Acres

8.06-Acres

See Appendix (note) 32

Southern Levee of Plugged Canal

USACE Acct. # MVN-2006-2191-SC

For R. Brown, ih 12-14-06 gmc

Sections 3, 4, 9, & 10, T10S, R9W, Calcasieu Parish, La.

[Red diagonal lines] = SEC. 10/404 TIDAL WETLANDS & MUDFLATS

[Green] = NOT A WETLAND OR WATER OF THE U.S.

[Blue] = SEC. 10/404 NAVIGABLE WATERS OF U.S. (TIDAL)

[Blue/White diagonal] = SEC. 404 WATER OF THE U.S.

Open Water

Access Road

Interstate 210

Joins Figure 11

Open Water

8.65-Acres

Plot 5

Coon Island Loop of Calcasieu River Ship Channel



APPROVED
JURISDICTIONAL DETERMINATION



MAP 7 OF 10

NOTE: TOTAL WETLAND ACREAGE = 71.16-ACRES

ARABIE ENVIRONMENTAL SOLUTIONS, INC.
FIGURE 10
LOCKPORT MARSH (EAST)
WETLAND DELINEATION
PPG INDUSTRIES
LAKE CHARLES, LOUISIANA



Joins Figure 12

Northern Shoreline of Bayou d'Inde

Mobil 2 Bridge

Lower Canal

Open Water

Open Water

Bayou d'Inde
sec. 10/404

Access Roads

Open Water

Open Water
sec. 10/404

Joins Figure 10

Interstate 210

Open Water
sec. 10/404

Calcasieu River
Ship Channel
sec. 10/404

Bayou d'Inde

-  = SEC. 10/404 TIDAL WETLAND
-  = NOT A WETLAND OR WATER OF THE U.S.
-  = SEC. 10/404 NAVIGABLE WATER OF THE U.S. (TIDAL)

Southern Shoreline of Bayou d'Inde

USACE ACCT. # MVN-2006-2191-SC
For R. Brown, ih 12-14-06 gmc
Sections 3, 4, 9 & 10, T10S, R9W, Calcasieu Parish, La.

APPROVED
JURISDICTIONAL DETERMINATION

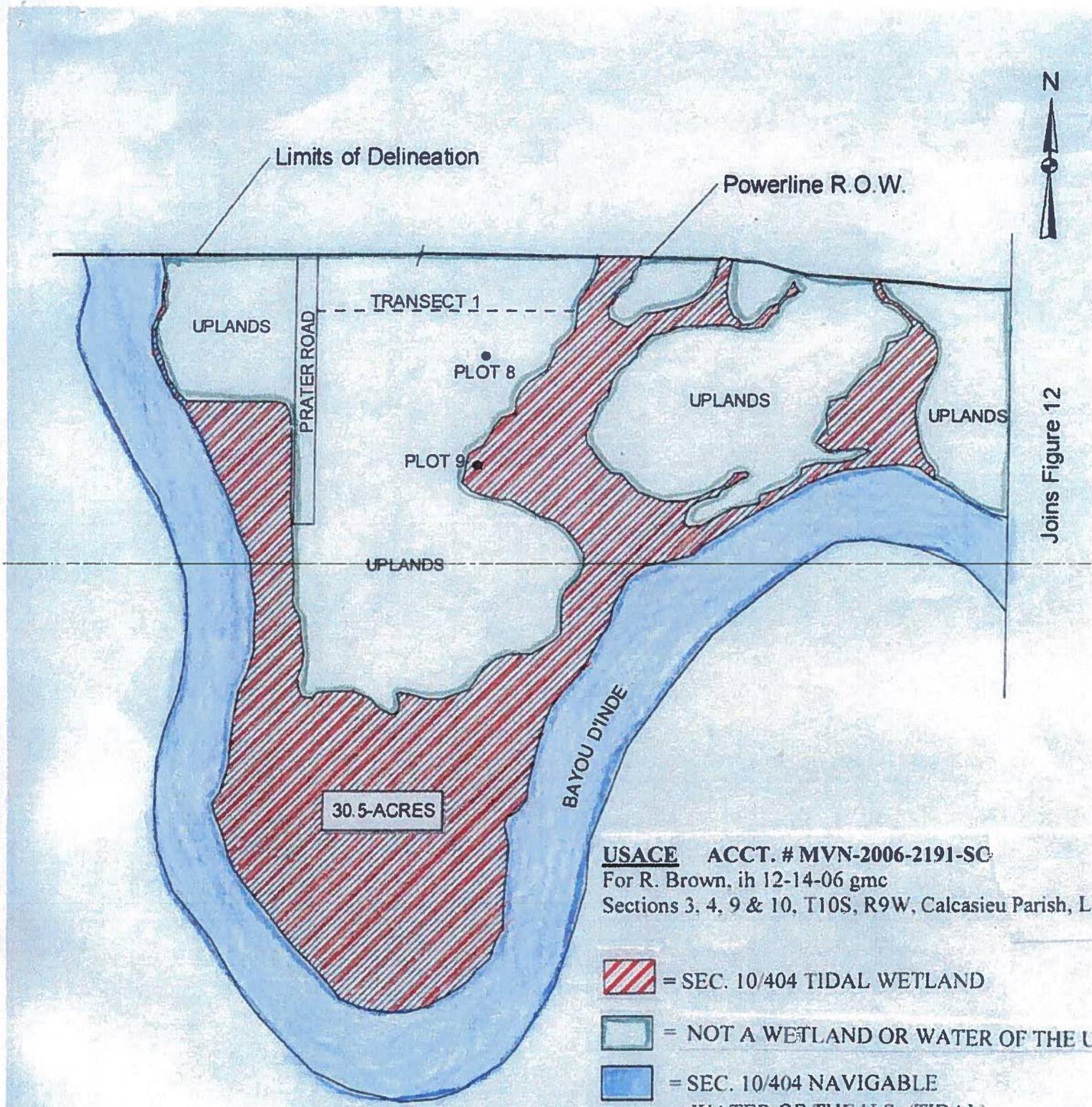
500 0 500 1000 1500 2000 2500 Feet



MAP 8 OF 10

NOTE: TOTAL WETLAND ACREAGE = 18.65-ACRES

ARABIE ENVIRONMENTAL SOLUTIONS, INC.
FIGURE 11
LOCKPORT MARSH (WEST)
WETLAND DELINEATION
PPG INDUSTRIES
LAKE CHARLES, LOUISIANA



Joins Figure 12

USACE ACCT. # MVN-2006-2191-SC
 For R. Brown, ih 12-14-06 gmc
 Sections 3, 4, 9 & 10, T10S, R9W, Calcasieu Parish, La

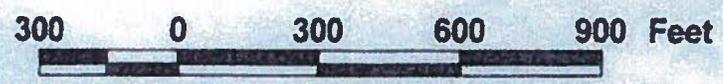
- = SEC. 10/404 TIDAL WETLAND
- = NOT A WETLAND OR WATER OF THE U.S.
- = SEC. 10/404 NAVIGABLE WATER OF THE U.S. (TIDAL)

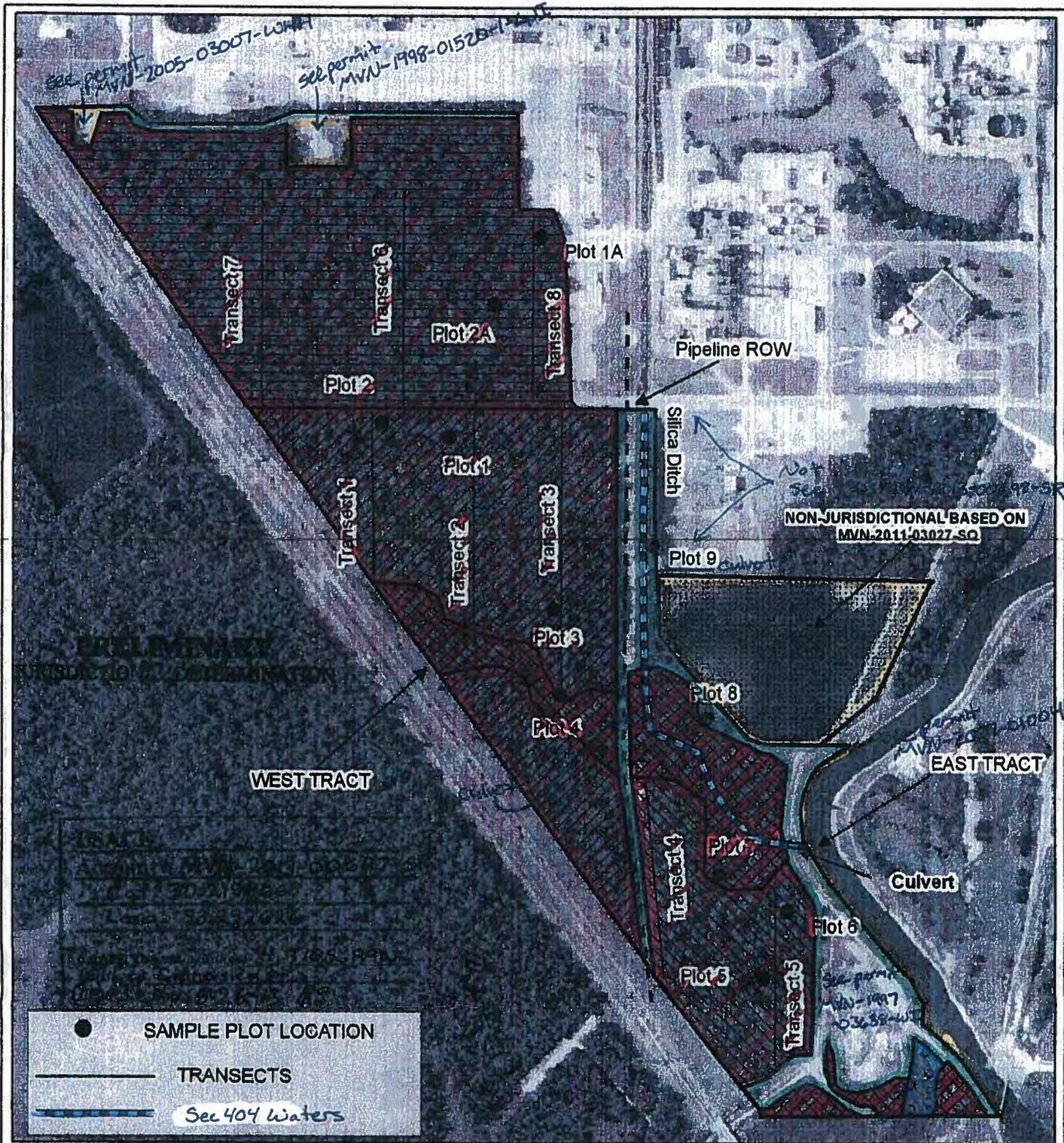
MAP 10 OF 10

NOTE: TOTAL WETLAND ACREAGE = 30.5-ACRES

ARABIE ENVIRONMENTAL SOLUTIONS, INC.
 FIGURE 13
 BAYOU D'INDE
 WETLAND DELINEATION
 PPG INDUSTRIES
 LAKE CHARLES, LOUISIANA

APPROVED
 JURISDICTIONAL DETERMINATION





● SAMPLE PLOT LOCATION

— TRANSECTS

— Sec 404 Waters

	62% WETLANDS (25 AC WET)
	24% WETLANDS (7.2 AC WET)
	100% WETLANDS (12.5 AC)
	50% WETLANDS (6 AC WET)
	NON-WETLANDS
	Sec 404 WATERS (0.7 AC)



ARABIE ENVIRONMENTAL SOLUTIONS

Revised 4-17-13

FIGURE 2
SITE DIAGRAM
 WETLAND DELINEATION
 AREA 1
 AXIALL CORPORATION
 LAKE CHARLES, LOUISIANA

Drawn By: CRH	Checked By: CBJ
Date: 2/11/2013	Drawing No: 11077-2

- Not A part