



DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P. O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

November 25, 2013

REPLY TO
ATTENTION OF:

Operations Division
Regulatory Branch
Project Manager: Brenda A. Archer
Phone#: (504) 862-2046

SUBJECT: MVN-2013-02836-MA

PUBLIC NOTICE

Public Notice Purpose: Pursuant to Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344), the U.S. Army Corps of Engineers, New Orleans District, Regulatory Branch is soliciting comments from all interested parties on the development, utilization and long-term management of a proposed mitigation bank. The purpose of this mitigation bank is to provide compensatory mitigation for unavoidable impacts to wetland resources, including other waters of the United States, that result from projects authorized through the Department of the Army permit program.

PROPOSED BAYOU THORNTON MITIGATION BANK IN POINTE COUPEE PARISH

NAME OF APPLICANT: Southeast Land Restoration, LLC, c/o Natural Resource Professionals, LLC Attention: Alissa Gros Berthelot, 7478 Highland Road, Baton Rouge, Louisiana 70808

LOCATION OF WORK: In Section 41 and 44, Township 2 South; Range 7 East, approximately 253 acres located approximately 3.0 miles northwest of the town of Innis, Louisiana, in Pointe Coupee Parish, as shown on the attached prospectus. (Latitude 30.904469, Longitude -91.735269). Hydrologic Unit Code: 08080101.

CHARACTER OF WORK: The applicant proposed to establish a wetland mitigation bank by degrading and filling existing agricultural ditches, plugging an outfall conveyance that discharges into a large perimeter canal, and planting appropriate bottomland hardwood (BLH) tree seedlings in order to restore a sustainable BLH forested wetland that could be used as compensation for unavoidable impacts to wetlands associated with Department of the Army (DA) permits authorized under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act. Additional details of the proposed restoration plan are attached for review in the mitigation banking prospectus.

The Corps of Engineers is soliciting written comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties. The comment period will close **30 days** from the date of this public notice advertisement. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this prospectus. Letters must reference the applicant's name and the subject number, be addressed and mailed to the above address, **ATTENTION: REGULATORY BRANCH.**

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.

Martin S. Mayer
Chief, Regulatory Branch

Enclosure

Bayou Thornton Mitigation Bank Prospectus Pointe Coupee Parish, Louisiana

Prepared for
U.S. Army Corps of Engineers
New Orleans District
New Orleans, Louisiana

Submitted by
Southeast Land Restoration, LLC
Price Mounger
Baton Rouge, Louisiana 70808

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September 2013

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1.0 Introduction

On behalf of Southeast Land Management, LLC (Sponsor), Natural Resource Professionals, LLC (Agent), submits this prospectus to the U.S. Army Corps of Engineers-New Orleans District (CEMVN) and the Interagency Review Team (IRT) to initiate evaluation of the proposed Bayou Thornton Mitigation Bank (BTMB) in Pointe Coupee Parish, LA in accordance with 33 CFR 332.8(d)(2). The BTMB site is 253.00 acres of existing agriculture land located within Section 41 and 44, Township 2 South and Range 7 East of Pointe Coupee Parish.

The proposed BTMB is located in the Atchafalaya-Vermillion sub-basin adjacent to the city of Lettsworth, Louisiana and within United States Geological Survey (USGS) Hydrologic Unit Code (HUC) 08080101. The BTMB is located approximately 15 miles south of the US Army Corps of Engineers' Old River Structure at the conveyance of the Atchafalaya and Mississippi Rivers.

The BTMB is bordered to the north, east, and west by agricultural land and south by mature bottomland hardwood forested wetlands (BLH). The BTMB's surface elevation is lower than the elevated natural shorelines and waterways near the convergence or delta of the Atchafalaya and Mississippi Rivers and higher than the permanently flooded cypress swamps south of the property within the north region of the Atchafalaya basin. As the intermediate position in this landscape, the BTMB receives floodwaters via the natural channel of Bayou Thornton along the southeastern boundary, and drains through Bayou Fisher at the northwest corner of the site.

The entire BTMB is classified as prior converted (PC) farmland by the Natural Resource Conservation Service (NRCS). As such, surface hydrology was modified via an engineered, gravity-flow ditch system facilitating agricultural production of commodity crops. This modified drainage system remains in place as the entire BTMB is an active farm.

The BMTB will be removed from current agricultural use and reforested with species typical of existing BLH within the area. The proposed restoration efforts will include the removal of constructed agricultural drains thereby restoring hydrologic connectivity throughout the site, planting of desirable plant species and removal/deadening of noxious, unwanted, aggressive and invasive species.

2.0 Bank Goal and Objectives

2.1 Goal

The goal of the proposed 253.00 acre BTMB is the cumulative re-establishment of 225.39 acres of prior converted farmland to high quality BLH.

2.2 Objectives

- a. To re-establish 225.39 acres of functional BLH within this historic wetland through hydrology alterations and native vegetative plantings,
- b. To support and maintain the specified plant communities throughout the BTMB through control of invasive species,
- c. To routinely monitor the reforestation effort to assist in management and project success,
- d. To identify and maintain the remaining 16.82 acres of existing unimproved roads and access routes, 6.21 acres of recreational land, and 4.58 acres of other waters within the BTMB, and
- e. To serve as a bottomland hardwood area offering for sale habitat credits as compensation for unavoidable impacts to wetlands associated with the Department of the Army (DA) permits authorized under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act, issued by the U.S. Army Corps of Engineers (USACE), New Orleans District (CEMVN) within USGS HUC 08080101.

2.3 Current Land Use

Table 1 – Existing Land Use within BTMB

Habitat Type	Land Use	Acreages
Agricultural Non-Wetlands (PC)	Agricultural	245.11
Other Jurisdictional “Waters of the US”	Natural Drains/Dredged Canals	7.89

2.4 Proposed Mitigation Bank Types

Table 2 – Proposed BTMB Units

Proposed Habitat Type	Acreage	Mitigation Type
Bottomland Hardwood Forest	225.39	Re-establishment I
Access Routes Recreational use/ Other Waters	27.61	Non-mitigation
Total	253.00	--

2.5 *Aquatic Functions to be Restored*

The entire 253.00 acre BTMB is classified as PC farmland by the NRCS. The conversion of the previous BLH to PC agricultural lands represents a well-documented adverse impact to aquatic resources, including wetlands. The change in hydrologic regime from a seasonally inundated forested wetlands to gravity drained agricultural production lands adversely impacts a wide range of aquatic species (benthic and non-benthic invertebrates and vertebrates) known to populate these ecosystems. The removal of BLH plant communities reduces above ground wildlife diversity and the removal (assimilation) of plant nutrients such as nitrogen and phosphorus by tree roots within the rhizosphere.

The natural waterways that serve as receiving streams from the BTMB include Bayou Thornton to the southeast and Bayou Fisher to the northwest. The aquatic functions typically associated with these natural bayous are greatly altered by the conversion of adjacent BLH to cultivated farmland. Specifically, dredging and the use of fertilizers, pesticides, and herbicides for crop production enter these natural bayous affecting aquatic plant communities and oxygen content within the water column.

The proposed hydrology improvements for the BTMB will partially restore the natural aquatic functions associated with a BLH outlined above. These improvements include the following:

- a. Removal of the internal agricultural drainage swales, furrows or smaller head ditches to restore sheet flow, and
- b. Plug existing outfalls from cultivated fields into dredge canals discharging into Bayou Thornton and Bayou Fisher to allow natural surface water sheet flow onsite.

2.6 *Water Quality*

The site is located within the Atchafalaya Basin, sub-segment LA010401_00 designated by the Louisiana Department of Environmental Quality (LDEQ), which includes the East Atchafalaya Basin and Morganza Floodway South to I-10 Canal. The LDEQ identified this sub-segment as an IRC5 (WIC exists for one or more uses). The suspected cause of impairment is listed as dissolved Oxygen potentially caused by non-irrigated crop production and petroleum/natural gas production activities. The TMDL priority is listed as Low and the date for preparation of the TMDL is listed as to be determined.

The hydrologic improvements outlined in Section 2.5, including the removal of agricultural drainage swales and the planting of preferred native tree species will potentially contribute to the improved water quality in the Atchafalaya River and Basin and the Mississippi River. Native tree species will help to reduce nutrients by increased filtration and plant uptake and assimilation (i.e., nonpoint source pollution prevention).

3.0 Bank Establishment

3.1 Management Summary

3.1.1 Hydrologic Restoration

The BTMB is approximately 15 miles south of the Mississippi River and Atchafalaya River conveyance (Old River Structure) and is a typical PC farmland within this region. As stated in the introduction, the BTMB has a PC status. This classification represents non-wetlands primarily because the improved drainage system prevents natural surface water retention and detention within the upper soil profile for durations needed to meet the wetland hydrology criteria. The BTMB currently supports a gravity drained system using internal ditches that collect and direct surface water into larger perimeter canals which ultimately discharge into primary channels.

In order to restore wetland hydrology as described above, the existing agricultural ditches will be graded and filled to restore natural topography and surface hydrology. The outfall conveyances from the fields (head ditches) discharging into the larger perimeter canals will be plugged to further restore natural grade and subsequent retention of surface water within the BTMB.

3.1.2 Vegetative Restoration

The continued farming of the site resulted in removal of the mature, natural plant communities associated with BLH in the region as described in Section 2.5. Restoring the natural wetland hydrology and planting native, desirable tree species will initiate the long-term reestablishment of BLH habitat. The complete restoration of the BTMB plant communities will require the continuous monitoring and removal of any noxious or invasive species.

The vegetative treatment plan was determined using *The Natural Communities of Louisiana* (Louisiana Natural Heritage Program, <http://www.wlf.louisiana.gov>). The treatment plan was designed to specifically address the existing species composition in the area and the restoration actions required to achieve the desired species composition. A natural succession back to historical, productive communities can be facilitated by a comprehensive vegetative restoration management program.

3.1.2.1 Enhancement Measures

Prior to the planned supplemental plantings, deadening will take place where needed. The following list includes desirable species at each elevation NAVD:

Bottomland Hardwood (NAVD > 7’):

- Nuttall Oak (*Quercus texana*) OBL
- Overcup Oak (*Quercus lyrata*) OBL
- Water Oak (*Quercus nigra*) FAC

Bottomland Hardwood Lower Elevation (NAVD 7’-6’):

- Nuttall Oak (*Quercus texana*) OBL
- Overcup Oak (*Quercus lyrata*) OBL
- Water Oak (*Quercus nigra*) FAC
- Water Hickory (*Carya aquatica*) OBL

Bottomland Hardwood with Cypress Component (NAVD 6’-5’):

- Nuttall Oak (*Quercus texana*) OBL
- Overcup Oak (*Quercus lyrata*) OBL
- Water Hickory (*Carya aquatica*) OBL
- Baldcypress (*Taxodium distichum*) OBL

Baldcypress-Tupelo Swamp (NAVD < 5’):

- Baldcypress (*Taxodium distichum*) OBL
- Tupelo Gum (*Nyssa aquatica*) OBL

Proposed spacing for plantings in those areas designated as re-establishment will be 9’ x 9’ (for an initial density of 538 trees per acre) for bare-root stock. Initial / interim planting success rates for re-establishment areas will be a minimum of 250 trees per acre for bare-root stock. Long-term success for all replanted areas will be 80% canopy coverage. Weedy vegetation within planted areas will be maintained by mowing and/or herbicidal application through Year 5. Escrow or bond sum release rates and monitoring requirements will be consistent with other recently implemented CEMVN approved mitigation banks.

3.1.2.2 Invasive and Noxious Species Control

The primary invasive species of concern on the site is Chinese tallow (*Triadica sebifera*). Chinese tallow is known to rapidly colonize abandoned farm land once cultivation is abandoned within this geographical region. This invasive species will be controlled by the onsite Sponsor using mechanical or chemical methods needed to prevent colonization.

3.1.3 Monitoring

Monitoring reports shall be completed in the spring, as new growth makes identification practicable, during years 1, 3, 5, 10, 15, and prior to and following

the first thinning operations. Reports will be submitted by December 31 of each monitoring year.

3.2 *Recreational Proposal*

The site may be used for hunting. Established hunting lanes and food plots may be maintained and therefore will be subtracted from the overall bank acreage.

4.0 **Summary of Current Site Conditions**

4.1 *Current and Previous Land Uses*

The entire 253.00 acre BTMB is currently in agricultural production. The site is extensively drained and farmed and was classified as PC by the NRCS in 1987.

4.2 *Current Vegetation*

As mentioned earlier, the site is cleared of all natural vegetation and is used for agriculture. There are a few locations throughout the site where the invasive species Chinese Tallow (*Triadica sebifera*) is dominant specifically along fence lines and ditches.

4.3 *Current Hydrology*

The site is gravity drained via a series of excavated ditches and canals. The agricultural ditches drain the site effectively and are maintained to keep the site drained for agricultural production.

4.4 *Current Soils*

The USDA Pointe Coupee Parish Soil Survey classifies the site's soils as entirely Sharkey clay (Sk) with 0 to 1% slopes and poorly drained. This soil is listed as a hydric soil in the USDA Soil Survey. A wetland delineation was conducted by Delta Land Services, LLC in October of 2012 and confirmed that these soils retain hydric indicators and are wetland soils.

4.5 *Property Encumbrances*

There are no pipelines or utility servitudes within the BTMB. There is a drainage servitude along the unnamed channel flowing west into the Bayou Fisher branch. This channel is a necessary flow through drainage feature and must remain in place in order to prevent flooding of adjacent properties.

4.6 *Zoning and Adjacent Property Development*

The BTMB is within a well-established agricultural region which is rural and not currently threatened by urban expansion.

4.7 *Jurisdictional Determination*

A wetland data report prepared by Delta Land Services, LLC and was submitted in October 2012 for a Jurisdictional Determination and is attached as Appendix B.

4.8 *Primary/Secondary Service Area*

BTMB is located within Hydrologic Unit Code (HUC) 08080101.

5.0 General Bank Need and Technical Feasibility

BTMB proposes to be the first bank approved by the USACE within the watershed 08080101. Currently no other banks are approved within this watershed.

6.0 Ownership and Long-Term Management Strategy

6.1 Sponsor/Operations Manager/Long-Term Management/Long Term Ownership

Sponsor:

Southeast Land Restoration, LLC
112 Founders Drive
Baton Rouge, LA 70810
(225) 756-0222
POC: H. Price Mounger

Landowners:

Russell Mounger and Price Mounger
3127 Hwy 971
Lettsworth, LA 70753
POC: H. Price Mounger

6.2 Agent

Natural Resource Professionals, LLC (NRP)
7478 Highland Rd
Baton Rouge, Louisiana 70808
(225) 928-5333
POC: Scott Nesbit

7.0 Perpetual Site Protection Mechanism

BTMB will be protected in perpetuity by a conservation servitude pursuant to Louisiana Revised Statute 9:1271 *et seq.* The servitude will be held by a conservation-oriented 501(c)(3) organization to be determined. The servitude will inure and run with the property title.

The servitude will prohibit activities, such as clear cutting, fill discharges, cattle grazing, or other commercial surface development that would diminish the quality or quantity of restored wetlands.

7.1 Sponsor Qualifications

The sponsor has extensive knowledge of the site having farmed the area for more than 20 years. The sponsor has access to the proper equipment and supplies needed to establish the bank and the necessary skill to run such equipment.

8.0 Functional Assessment

Version_2013_MVN_MCM_03_2

Table 2B: Proposed Restoration/Enhancement Mitigation Worksheet

Mitigation Project Name: Bayou Thornton Mitigation Bank
Mitigation Project Size (Acres) Include Wetlands:
Non-wetlands and Buffer Areas: 253.0
Mitigation Project HUC: 08080101
Mitigation Project Basin: Atchafalaya
Impacted HUC: (HUC)
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	Mitigation Type	Re-establishment I	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
	Maintenance/ Management Requirement	Self-Sustaining	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
	Control	Conservation Servitude	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
	Temporal Lag	Over 20	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
	Credit Schedule	Schedule 3	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
	Kind	Category 1	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
Negative Influences on the mitigation site	Location	Zone 1	(Select an Option)	(Select an Option)	(Select an Option)	(Select an Option)
	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 2	Category 1	Category 1	Category 1	Category 1
	Corridors	No Impact	No Impact	No Impact	No Impact	No Impact

Version_2013_MVN_MCM_03_2

Table 2B: Proposed Restoration/Enhancement Mitigation Worksheet

Mitigation Project Name: Bayou Thornton Mitigation Bank

Factors		Area 1	Area 2	Area 3	Area 4	Area 5
Net Improvement	Mitigation Type * Maintenance/ Management Requirement	4.0	0.0	0.0	0.0	0.0
	Control	0.4	0.0	0.0	0.0	0.0
	Temporal Lag	-0.3	0.0	0.0	0.0	0.0
	Credit Schedule	0.2	0.0	0.0	0.0	0.0
	Kind	0.4	0.0	0.0	0.0	0.0
	Location	0.4	0.0	0.0	0.0	0.0
	Subtotal	5.1	0.0	0.0	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	-0.3	0.0	0.0	0.0	0.0
	Utility Corridors	0.0	0.0	0.0	0.0	0.0
	Sum of negative impacts	-0.3	0.0	0.0	0.0	0.0
Sum of m Factors	4.9	0.0	0.0	0.0	0.0	
Size of Area (Acres)	225.4	0.0	0.0	0.0	0.0	
M x A =	1093.1	0.0	0.0	0.0	0.0	
Acreage required for Permittee-responsible Mitigation project using required credits calculated in Adverse impact Worksheet.		0.0	0.0	0.0	0.0	0.0
Total Restoration/Enhancement Credits = $\sum (M \times A) =$						1093.1
Total Available including buffers						1098.7
Average Credit Per Acre =						4.9

	Buffers	Non-hydric Inclusions	Hydric Inclusions
Credits per acre (M)	0.2	0.4	0.6
Size in Acres (A)	27.6	0.0	0.0
M x A =	5.5	0.0	0.0
Credits added to bank =			5.5

9.0 References

Code of Federal Regulations, Title 33, Parts 325 and 332 and Title 40, Part 230, as published on pages 19594-19704 in the Federal Register dated 10 April 2008.

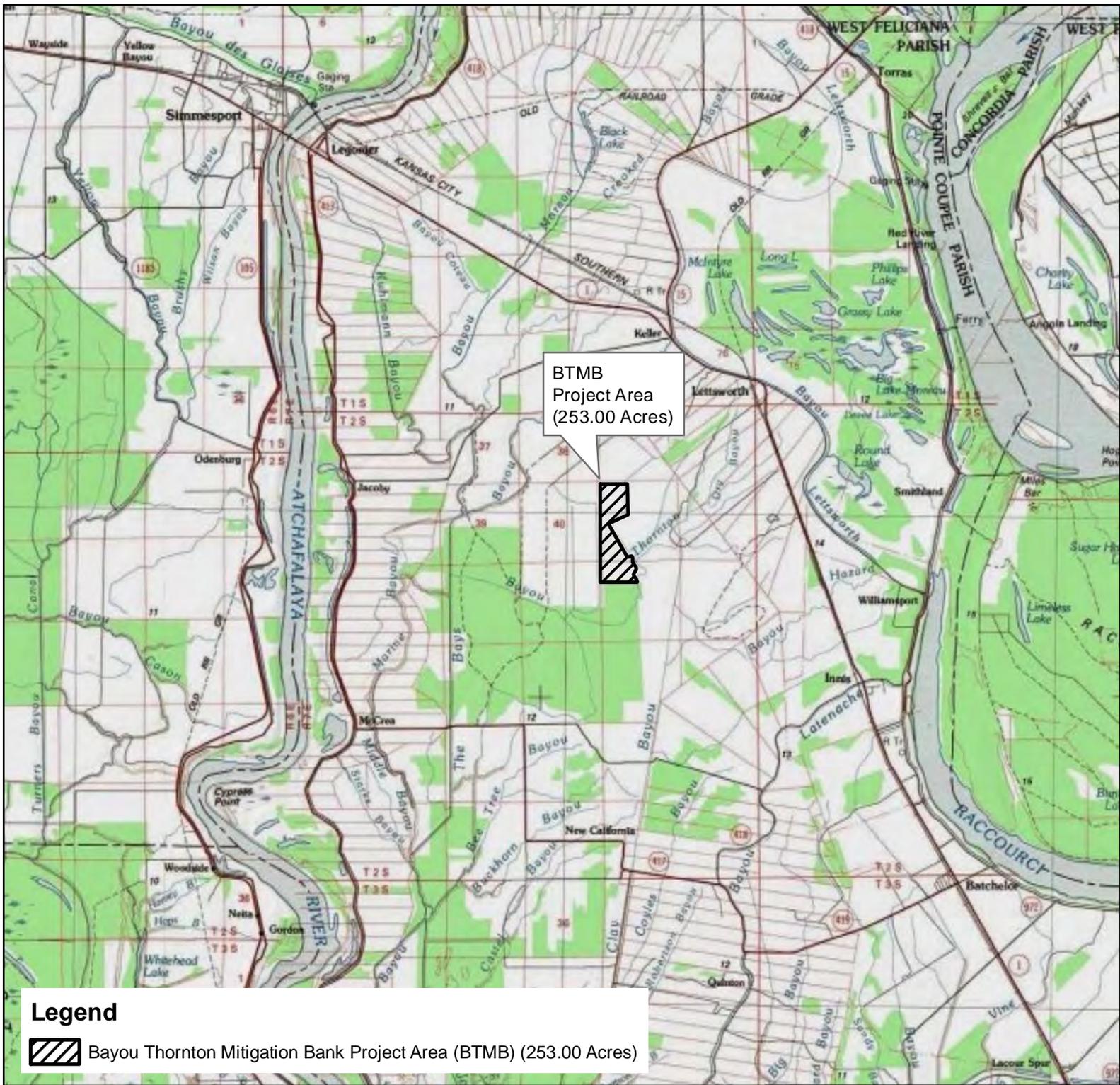
United States Department of Agriculture – Natural Resources Conservation Service, Web Soil Survey, Pointe Coupee Parish, Louisiana, Retrieved December 2010.
http://soils.usda.gov/survey/online_surveys/louisiana/index.html

United States Department of Agriculture – Natural Resources Conservation Service, PLANTS Database – USDA PLANTS, Retrieved June 2009.
<http://plants.usda.gov/>

Louisiana Department of Environmental Quality 303(d) Impaired Waterbodies List, 2008.

Modified Charleston Method, Guidebook for the use of the Excel Workbook, Prepared by the US Army Corps of Engineers New Orleans District, 2010.

ADDENDUM A
FIGURES

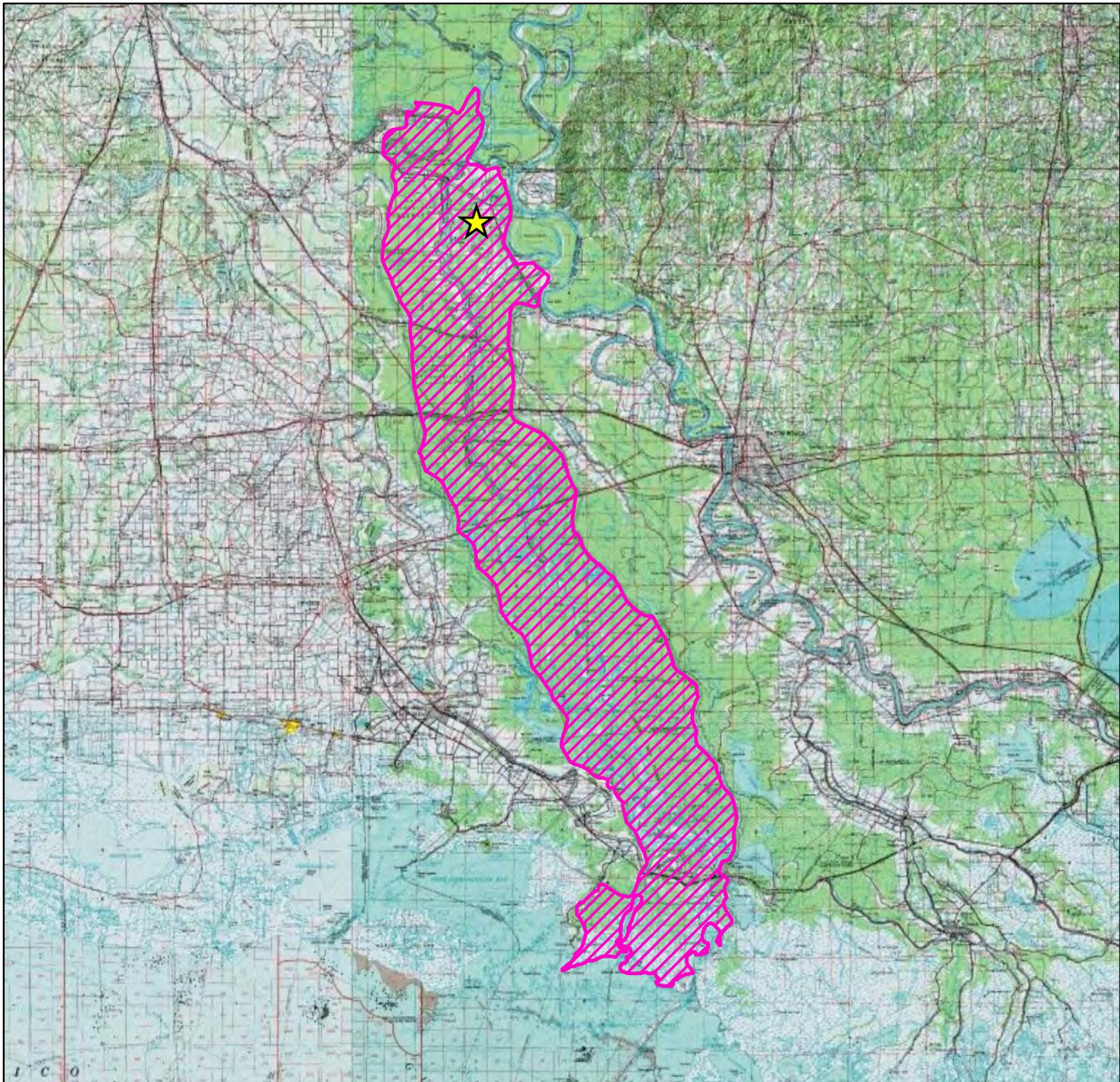


Legend
 Bayou Thornton Mitigation Bank Project Area (BTMB) (253.00 Acres)



Map Notes:
 1. The boundary shown is based on the boundary survey provided by the client.
 2. Map projected to NAD83 UTM Zone 15.

Southeast Land Restoration, LLC	
Bayou Thornton Mitigation Bank	
Baton Rouge, LA	
VICINITY MAP	
POINTE COUPEE PARISH, LA	
Created :	AGB/ArcView
Approved :	SPN
Date :	09/06/2013
Map No. :	
FIGURE 1	



Legend

★ BTMB Project Area (253.00 Acres)

▨ HUC 08080101



NRP



**Southeast Land Restoration, LLC
 Bayou Thornton Mitigation Bank
 Baton Rouge, LA
 WATERSHED MAP**

POINTE COUPEE PARISH, LA

Created : AGB/ArcView

Approved : SPN

Date : 09/06/2013

Map No. :

FIGURE 2

Map Notes:

1. The boundary shown is based on the boundary survey provided by the client.
2. Map projected to NAD83 UTM Zone 15.



Legend

 BTMB Project Area (253.00 Acres)



Map Notes:

1. The boundary shown is based on the boundary survey provided by the client.
2. Map projected to NAD83 UTM Zone 15.

**Southeast Land Restoration, LLC
 Bayou Thornton Mitigation Bank
 Baton Rouge, LA
 USGS LIDAR MAP**

POINTE COUPEE PARISH, LA

Created : AGB/ArcView

Approved : SPN

Date : 09/06/2013

Map No. :

FIGURE 3



Legend

-  BTMB Project Area (253.00 Acres)
-  Agricultural Drains
-  Existing Ditch/ Channel Flow

Map Notes:

1. The boundary shown is based on the boundary survey provided by the client.
2. Map projected to NAD83 UTM Zone 15.



NRP



**Southeast Land Restoration, LLC
Bayou Thornton Mitigation Bank
Baton Rouge, LA**

EXISTING DRAINAGE MAP

POINTE COUPEE PARISH, LA

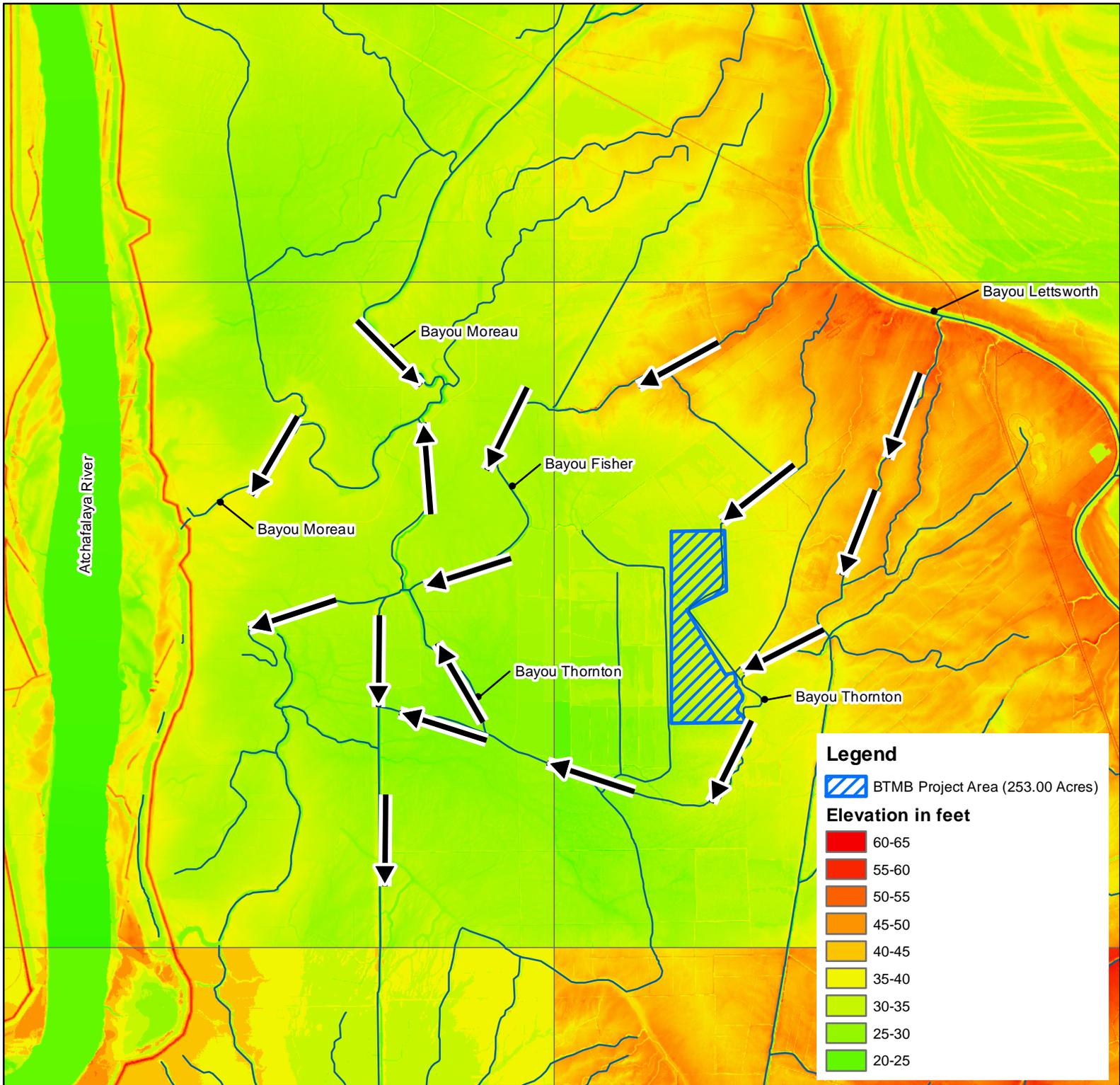
Created : AGB/ArcView

Approved : SPN

Date : 09/06/2013

Map No. :

FIGURE 4



**Southeast Land Restoration, LLC
 Bayou Thornton Mitigation Bank
 Baton Rouge, LA**

**TOPOGRAPHIC MAP
 RELATIVE ELEVATIONS
 POINTE COUPEE PARISH, LA**

Created : AGB/ArcView

Approved : SPN

Date : 09/06/2013

Map No. :

FIGURE 5

Map Notes:

1. The boundary shown is based on the boundary survey provided by the client.
2. Map projected to NAD83 UTM Zone 15.



Legend

-  BTMB Project Area (253.00 Acres)
-  Sf: Sharkey Clay (253.00 Acres)



NRP



**Southeast Land Restoration, LLC
 Bayou Thornton Mitigation Bank
 Baton Rouge, LA
 NRCS SOILS MAP**

POINTE COUPEE PARISH, LA

Created : AGB/ArcView

Approved : SPN

Date : 09/06/2013

Map No. :

FIGURE 6

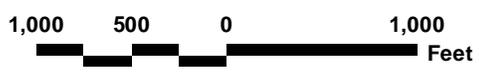
Map Notes:

1. The boundary shown is based on the boundary survey provided by the client.
2. Map projected to NAD83 UTM Zone 15.



Legend

-  BTMB Project Area (253.00 Acres)
-  Other Waters (7.89 Acres)
-  Prior Converted Non-Wetlands (245.11 Acres)



Map Notes:

1. The boundary shown is based on the boundary survey provided by the client.
2. Map projected to NAD83 UTM Zone 15.

Southeast Land Restoration, LLC Bayou Thornton Mitigation Bank Baton Rouge, LA	
USACE WETLAND MAP	
POINTE COUPEE PARISH, LA	
Created :	AGB/ArcView
Approved :	SPN
Date :	09/06/2013
Map No. :	
FIGURE 7	



Legend

-  BTMB Project Area (253.00 Acres)
-  Re-establishment I (225.39 Acres)
-  Access Routes (16.82 Acres)
-  Other Waters to Remain (4.58 Acres)
-  Other Waters to be Removed (3.31 Acres)
-  Hunting Road/Food Plot (6.21 Acres)



Map Notes:

1. The boundary shown is based on the boundary survey provided by the client.
2. Map projected to NAD83 UTM Zone 15.

**Southeast Land Restoration, LLC
 Bayou Thornton Mitigation Bank
 Baton Rouge, LA**

PROPOSED MITIGATION MAP

POINTE COUPEE PARISH, LA

Created : AGB/ArcView

Approved : SPN

Date : 09/06/2013

Map No. :

FIGURE 7

Section 35 Township 2 S Range 7 E

Section 41 Township 2 S Range 7 E

USACE

FSV 1 (H) Date: 1-7-13

Botanist: William Nethery

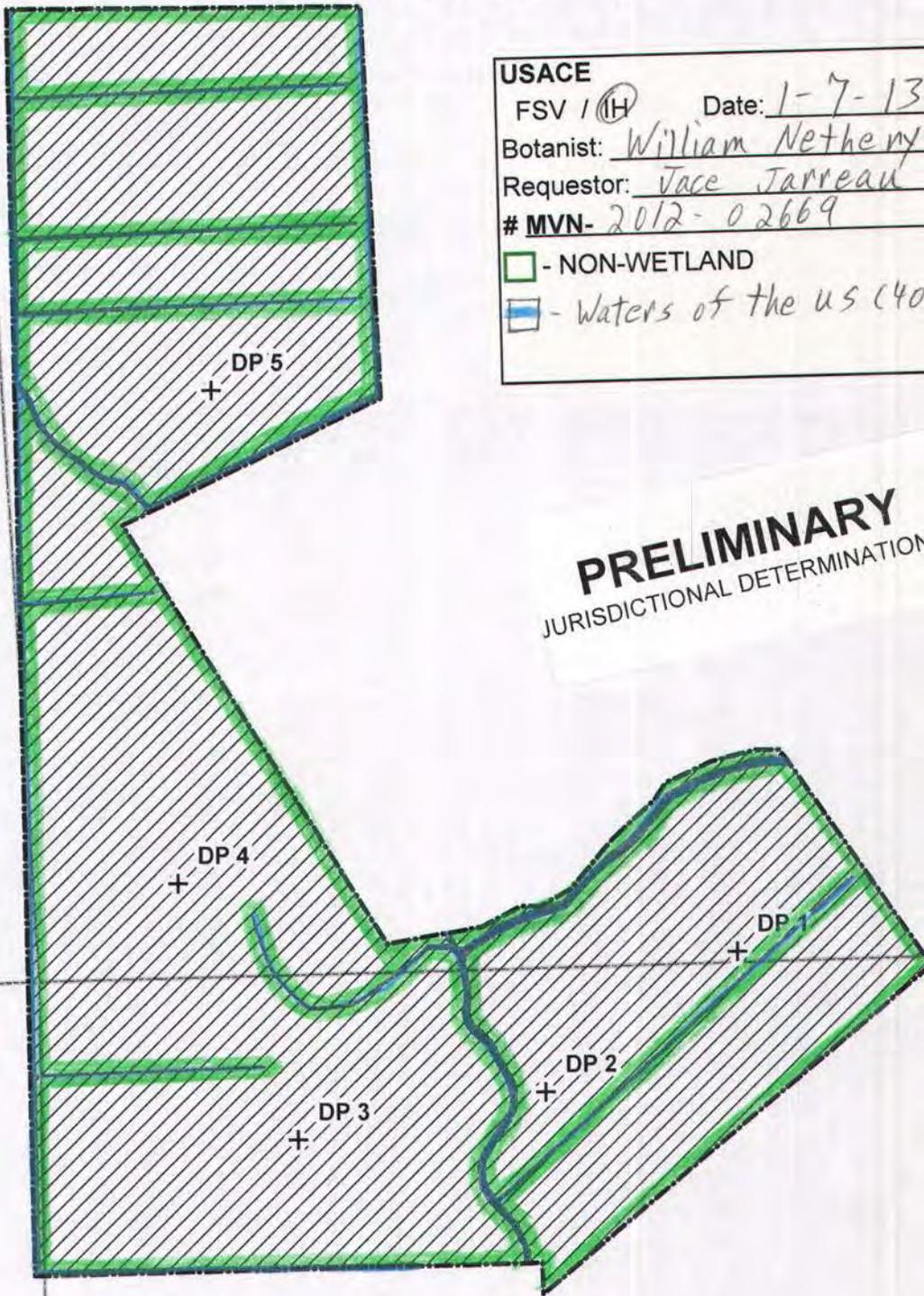
Requestor: Jace Jarreau

MVN- 2012-02669

 - NON-WETLAND

 - Waters of the US (404)

PRELIMINARY
JURISDICTIONAL DETERMINATION



Section 44 Township 2 S Range 7 E

Legend

-  Project Area (347.3 Acres)
-  Prior-Converted Cropland (336.3 Acres)
-  Other Waters of the U.S. (11.0 Acres)
-  Data Point



900 450 0 900



Feet

Bayou Thornton Property

WETLAND DELINEATION MAP

Pointe Coupee Parish, LA

Created : JMJ/ARCVIEW

Approved : JMJ

Date : 10/24/2012

Map No. : F03_DelineationMap



FIGURE 3