





**In 1990's,**

**The beginning of coastal/ecosystem restoration/dredging in Louisiana these were considered big:**

- 5 miles of 30 inch dredge pipe, no booster pumps;
- 100 acres of marsh and dune creation;
- 1-2 miles barrier island;
- \$ 20-30 M projects with one funding source;





# Past Construction



Coastal Protection and  
Restoration Authority of Louisiana



committed to our coast



Scofield Island (BA-40)

Pelican Island (BA-38)

Shell Island East  
(BA-110)



**CPRA**  
Coastal Protection and  
Restoration Authority of Louisiana

Total Project Budget

\$56,281,276

Volume (CY)

3.4 Million

Construction Completion Date

August 2013

Funding Programs

CWPPRA/Berm to Barrier





Scofield Island (BA-40)

Pelican Island (BA-38)

Shell Island East (BA-110)



**CPRA**  
Coastal Protection and  
Restoration Authority of Louisiana

Total Project Budget

\$46,923,984

Volume (CY)

4.5 Million

Construction Completion Date

December 2012

Funding Programs

CWPPRA





Scofield Island (BA-40)

Pelican Island (BA-38)

Shell Island East  
(BA-110)



**CPRA**  
Coastal Protection and  
Restoration Authority of Louisiana

Total Project Budget

\$44,716,752

Volume (CY)

2.5 Million

Construction Completion Date

August 2013

Funding Programs

Berm to Barrier



# West Belle Pass Barrier Headland Restoration (TE-52)



Total Project Budget	\$37,783,508
Volume (CY)	4.1 Million
Construction Completion Date	November 2012
Funding Program	CWPPRA /NMFS



Coastal Protection and  
Restoration Authority of Louisiana



# Cameron Parish Shoreline Restoration (CS-33)

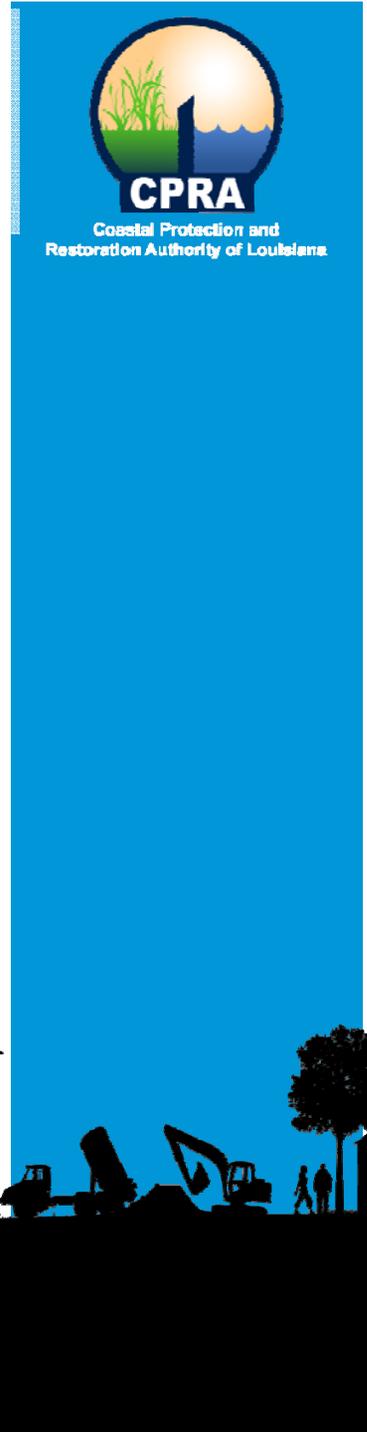


Coastal Protection and  
Restoration Authority of Louisiana

Total Project Budget	\$45.8 million
Volume (CY)	2M
Construction Completion Date	February 2014
Funding Program	State Surplus



# Caminada Headland Beach and Dune Restoration (BA-45)

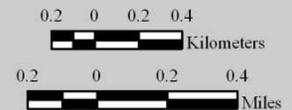


Total Project Budget	\$70 million
Volume (CY)	3.3 Million
Construction Completion Date	December 2014
Funding Programs	CIAP/State Surplus

# Grand Liard Ridge and Marsh Restoration (BA- 68)

## Grand Liard Ridge and Marsh Restoration (BA-68)

-  Ridge Restoration \*
  -  Marsh Creation \*
  -  Project Boundary
- \*denotes proposed features



Map Produced by:  
 U.S. Department of the Interior  
 U.S. Geological Survey  
 National Wetlands Research Center  
 Coastal Restoration Field Station  
 Baton Rouge, La.

Background Imagery:  
 2010 NAIP Photography

Map Date: August 12, 2011  
 Map ID: USGS-NWRC 2011-11-0058  
 Data accurate as of: August 09, 2011

Total Project Budget	\$33.5 million
Volume (CY)	2.8 Million
Construction Complete Date	Sumer 2015
Funding Program	CWPPRA /NMFS

Chicharas Bay

Baton Grand Liard



# Surplus Marsh Creation Near Freshwater Bayou (ME-25 SF)

A series of black silhouettes at the bottom of the slide, including an oil rig, a boat, a person with a camera, a cow, a truck, an excavator, and trees, set against a light background.

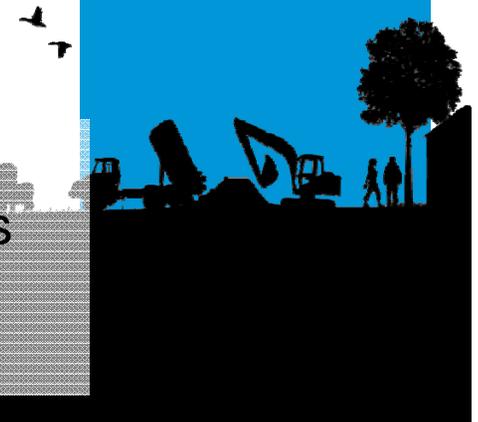
Total Budget	\$2,986,770
Volume (CY)	800K
Construction Completion Date	Summer 2015
Funding Program	State Surplus, DNR Mitigation, BU

# Sabine Refuge Marsh Creation Cycles 4 & 5 (CS-28)



**CPRA**  
Coastal Protection and  
Restoration Authority of Louisiana

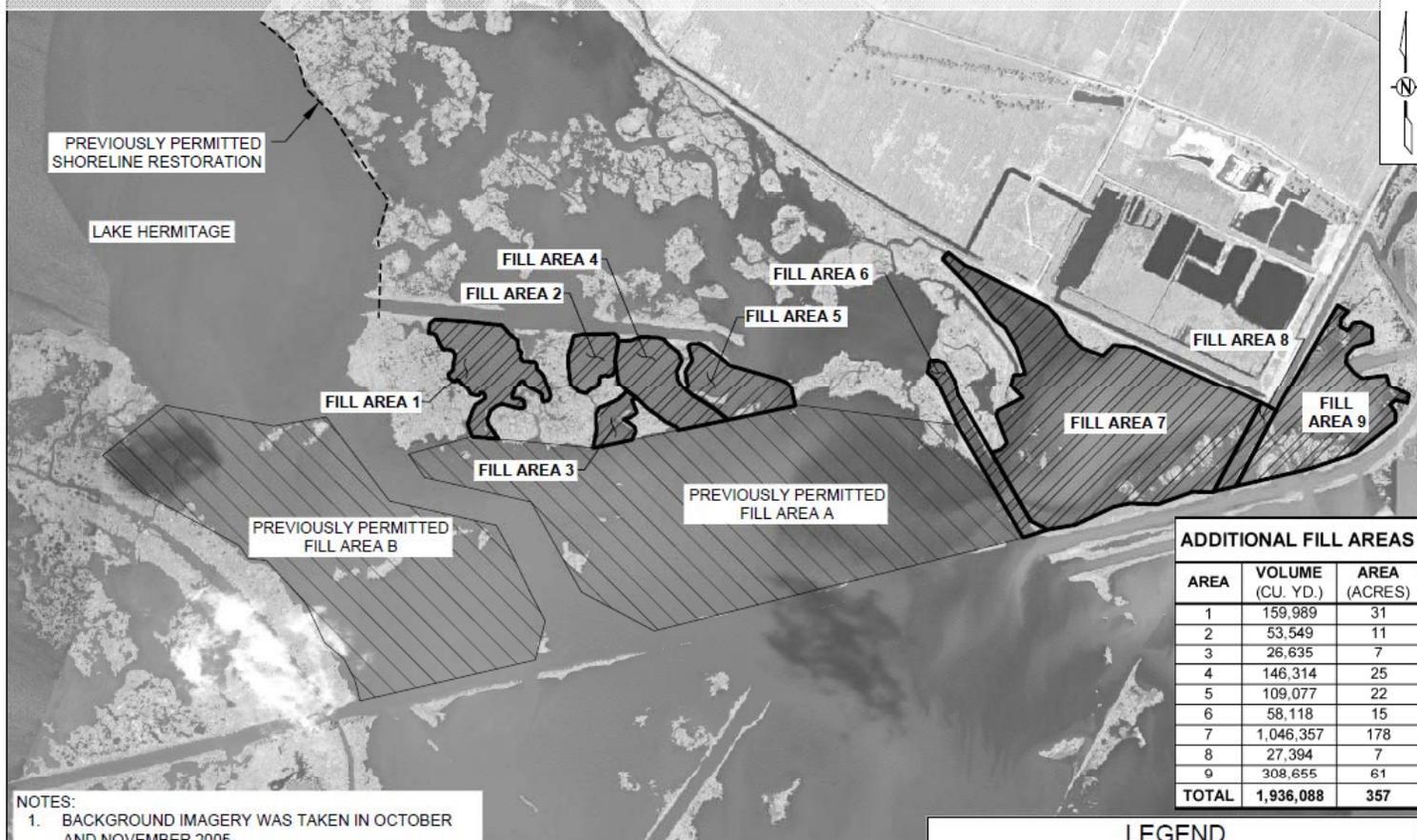
Total Project Budget	\$10.3 million
Total Volume	4 Million Cubic Yards
Construction Completion Date	May 2015
Funding Program	CWPPRA /USFWS



# LAKE HERMITAGE MARSH CREATION (BA-42/BA-141)



CPRA  
Coastal Protection and  
Restoration Authority of Louisiana



ADDITIONAL FILL AREAS		
AREA	VOLUME (CU. YD.)	AREA (ACRES)
1	159,989	31
2	53,549	11
3	26,635	7
4	146,314	25
5	109,077	22
6	58,118	15
7	1,046,357	178
8	27,394	7
9	308,655	61
<b>TOTAL</b>	<b>1,936,088</b>	<b>357</b>

- NOTES:
1. BACKGROUND IMAGERY WAS TAKEN IN OCTOBER AND NOVEMBER 2005.
  2. SEE SHEETS 4D-1 THROUGH 4D-4 FOR ADDITIONAL FILL AREAS.

2000' 1000' 0' 2000' 4000'

LEGEND	
	ADDITIONAL FILL AREA
	PREVIOUSLY PERMITTED FILL AREA
	PREVIOUSLY PERMITTED SHORELINE RESTORATION

**Total Project Budget**

**\$46.5M**

**Volume (CY)**

**6.1M**

**Construction Completion Date**

**Spring 2015**

**Funding Programs**

**CWPPRA/NRDA**

**DNR Beneficial Use**



# Under Construction



Coastal Protection and  
Restoration Authority of Louisiana



committed to our coast

# South Lake Lery Shoreline and Marsh Restoration (BS-16)



Total Project Budget	\$32.4M
Total Volume (CY)	~3.9M
Construction Completion Date	June 2016
Funding Program	CWPPRA /USFWS

# Caminada Headland Beach and Dune Restoration Increment 2 (BA-143)



Coastal Protection and  
Restoration Authority of Louisiana



Total Project Budget	\$ 145M
Volume (CY)	5.4M
Status	Construction Completion July 2016
Funding Programs	NFWF

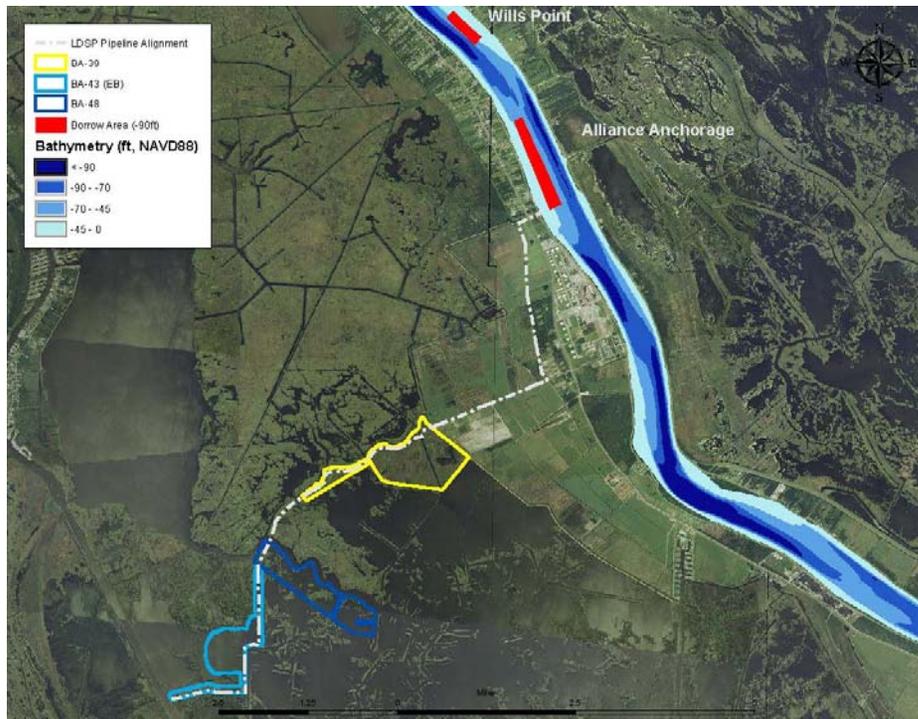
David H. Ogden  
www.dhco.com  
Slidell, LA 70578-2498  
A SDAV-owned mail business



# LDSP (BA-43) and Bayou Dupont (BA-48)



**CPRA**  
Coastal Protection and  
Restoration Authority of Louisiana



Total Budget	\$80M
Volume (CY)	8.6M
Status	Construction
Funding Programs	CWPPRA/CIAP/Surplus

# Shell Island West (BA-111)



Coastal Protection and  
Restoration Authority of Louisiana



Total Budget

\$76,658,565

Volume (CY)

6.5M Total (4.8M beach/dune, 1.7M marsh)

Status

Construction

Funding Program

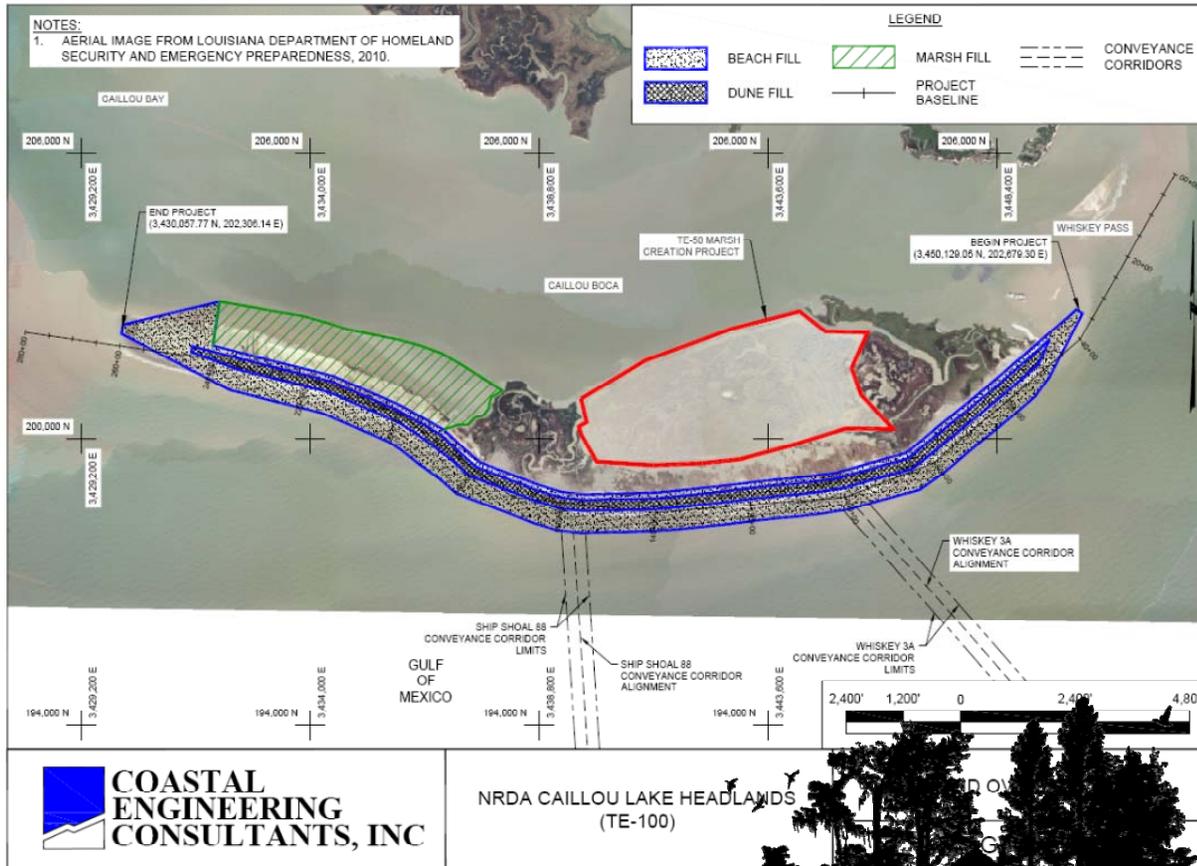
NRDA



# NRDA Caillou Lake Headlands (TE-100)



**CPRA**  
Coastal Protection and  
Restoration Authority of Louisiana



Total Budget

\$103.2M

Volume

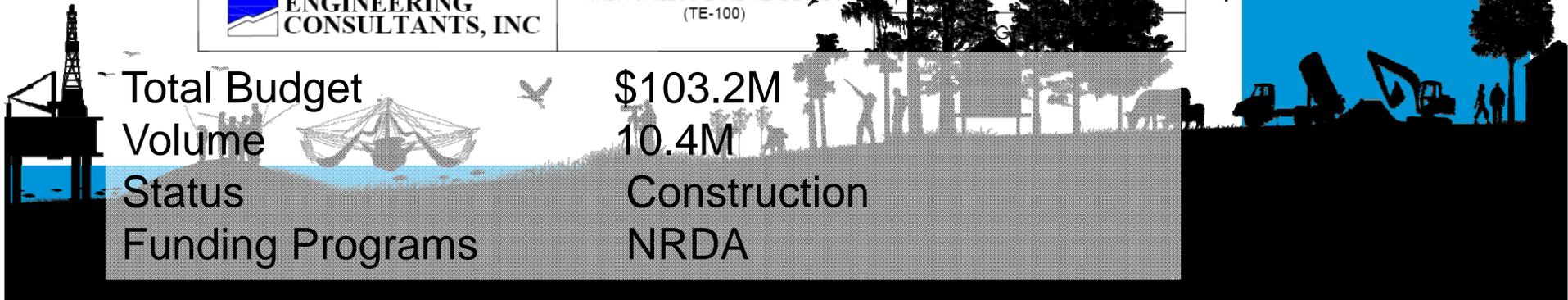
10.4M

Status

Construction

Funding Programs

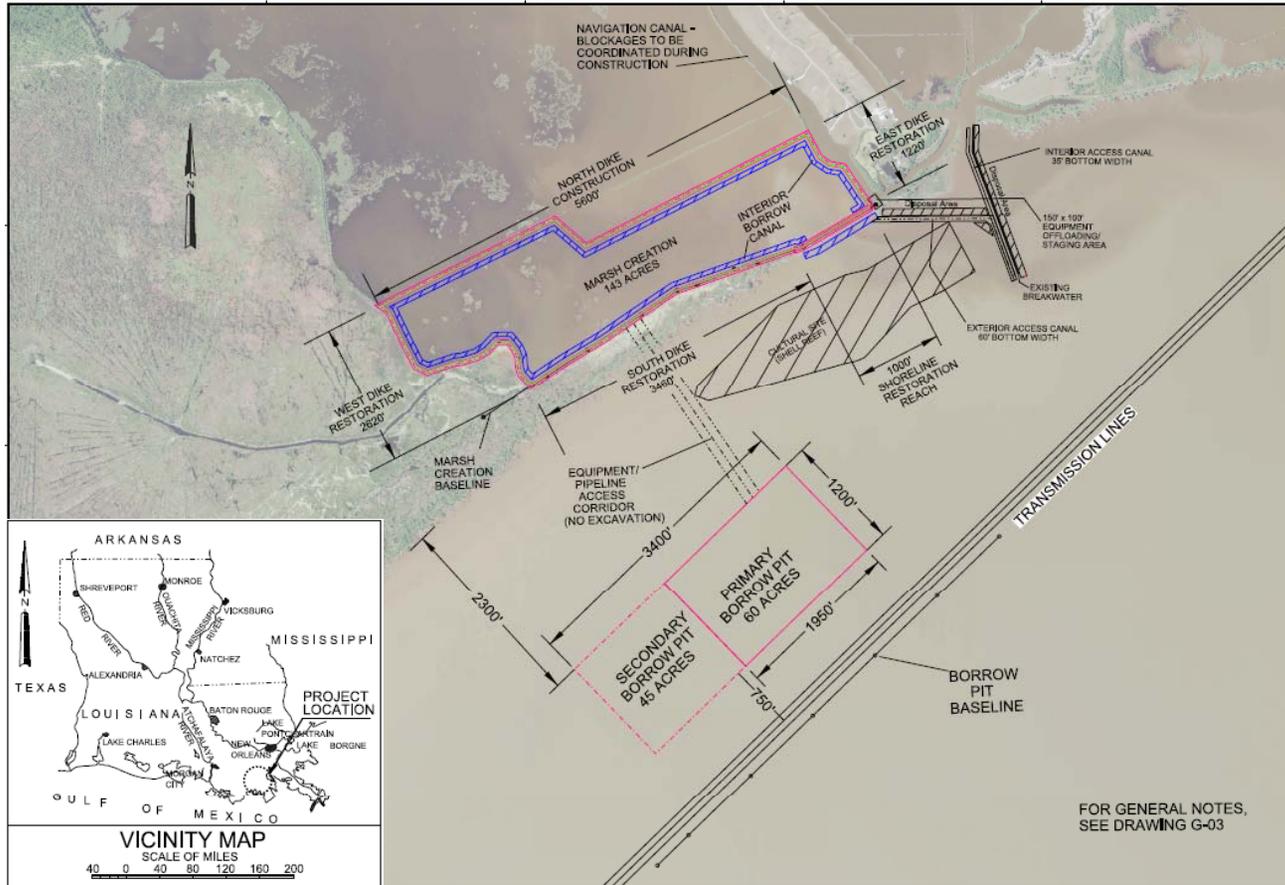
NRDA



# HSDRRS LPV Mitigation – Milton Island Marsh Creation (LPV-EVM-08)



Central Planning and  
Design Authority of Louisiana



Total Budget  
Volume (CY)  
Status  
Funding Programs

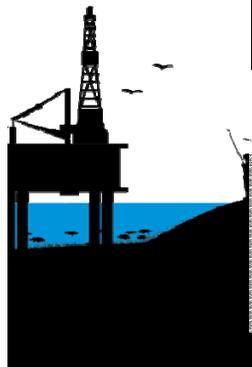
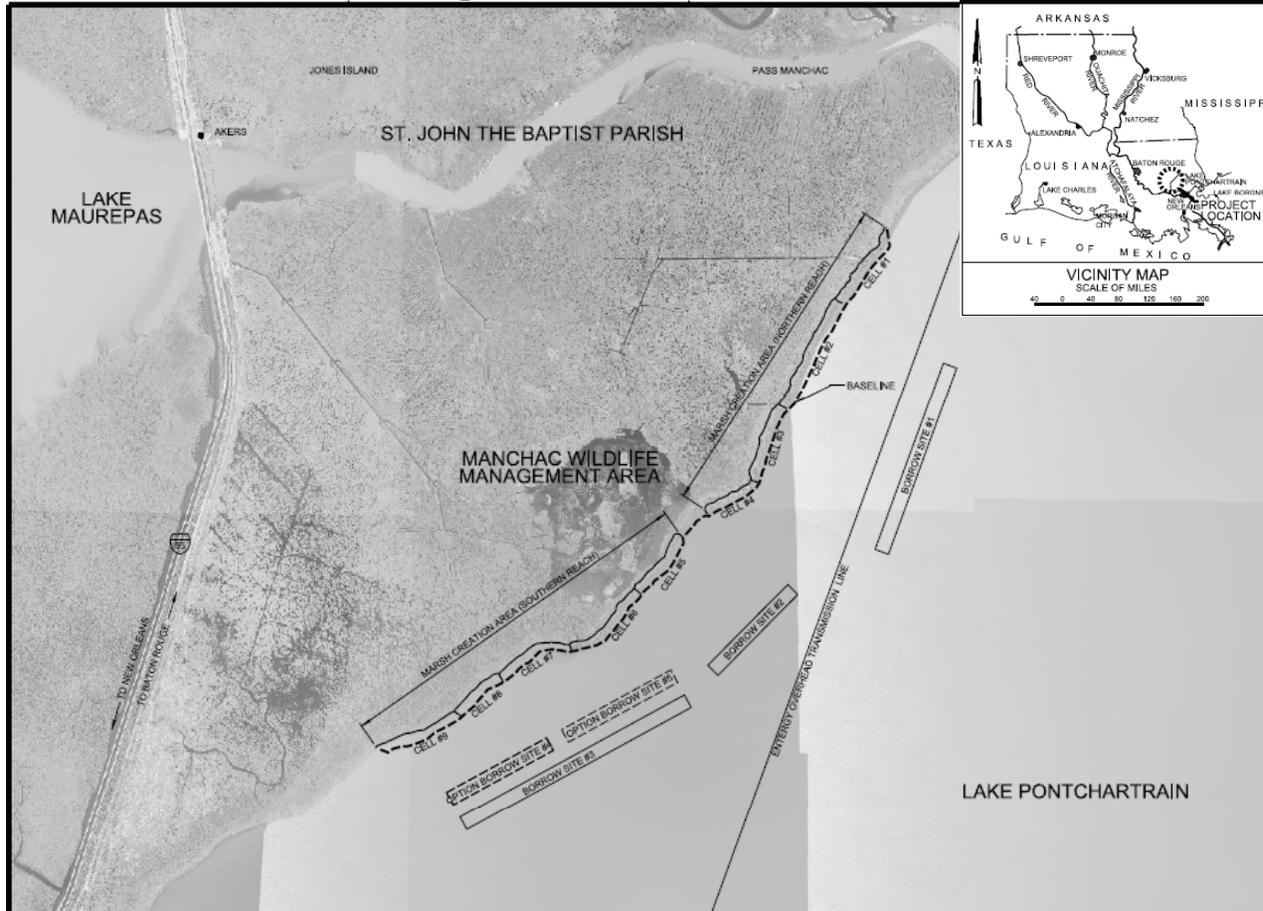
\$4,115,000  
1M  
Construction  
USACE



# Previously Authorized Mitigation LPV – Manchac (LPV-EVM-02a) (PO-



Coastal Protection and Restoration Authority of Louisiana



Total Budget

\$9,221,600

Volume (CY)

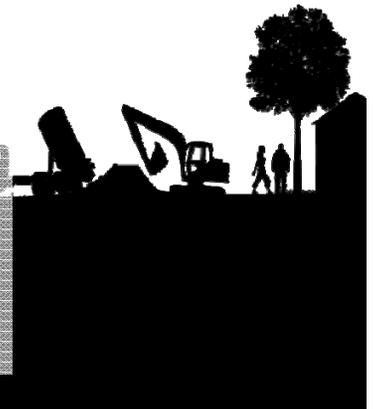
2-3M

Status

Construction

Funding Programs

USACE



# Future Construction



Coastal Protection and  
Restoration Authority of Louisiana

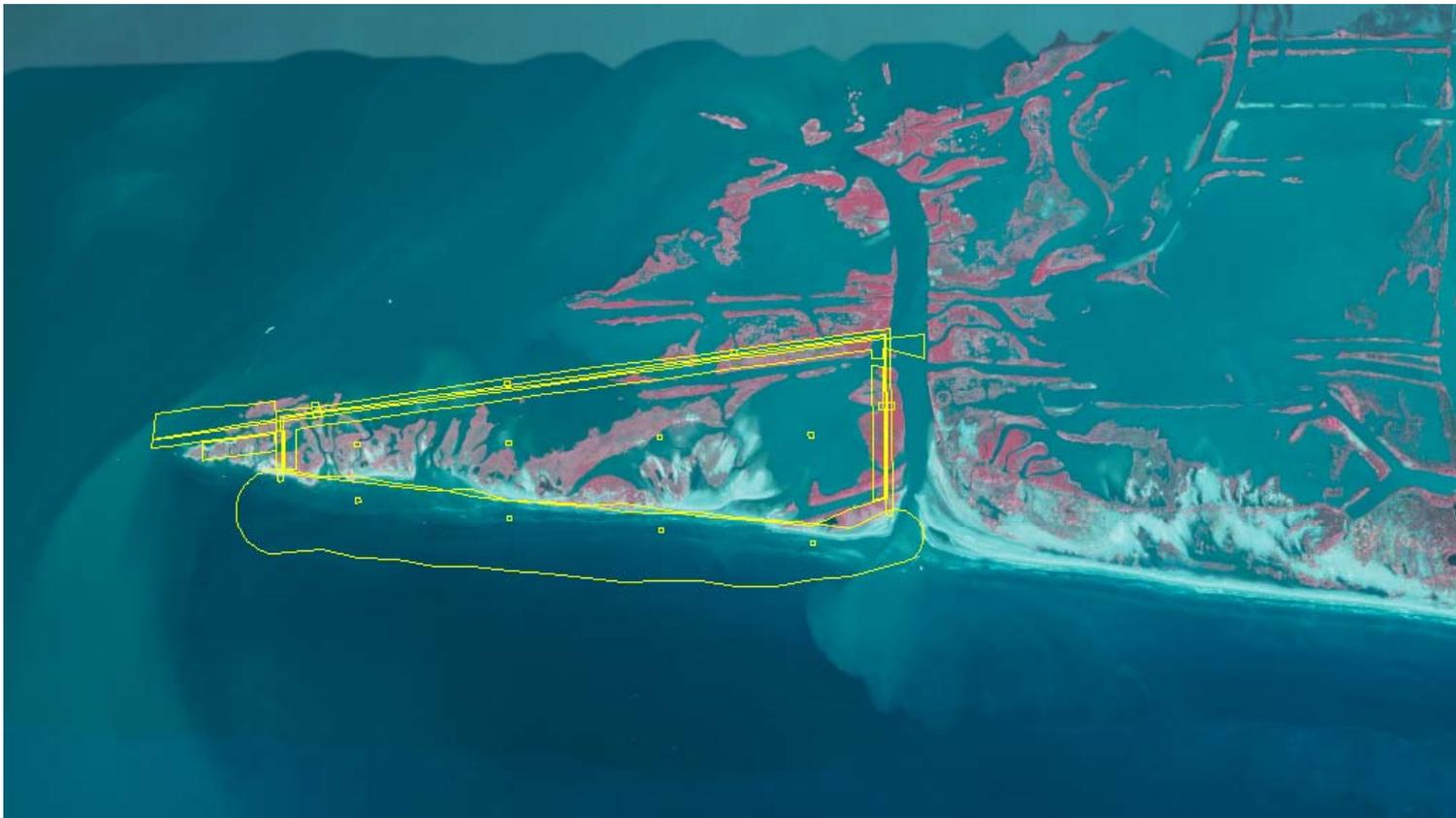


committed to our coast

# Cheniere Ronquille Barrier Island Restoration (BA-76)



**CPRA**  
Coastal Protection and  
Restoration Authority of Louisiana



Total Budget

\$27,236,680

Total Volume (CY)

Total 2.56 M (beach/dune 1.6M marsh .96M)

Status

Bids Opened

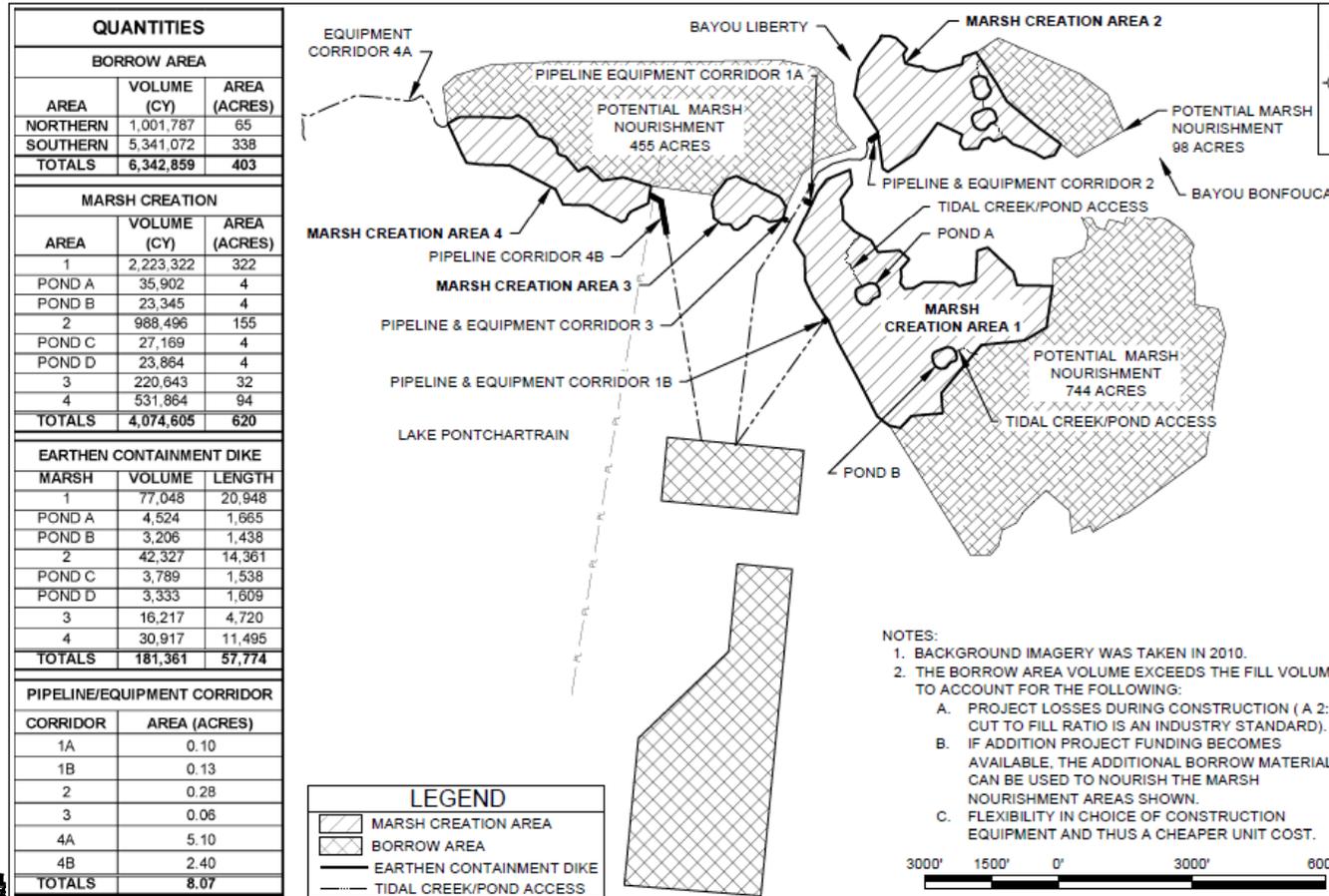
Funding Program

NRDA /NOAA

# Bayou Bonfouca Marsh Creation (PO-0104)



CPRA  
Coastal Protection and  
Restoration Authority of Louisiana



Total Project Budget

\$28 million

Total Volume (CY)

6.3 million

Status

Anticipated Bid 12/15-1/16

Funding Program

CWPPRA /USFWS

# South Grand Chenier Marsh Creation (ME-20)



Coastal Protection and  
Restoration Authority of Louisiana

Total Project Budget

\$22.6 million

Total Volume

~1.5 million cubic yards

Status

Anticipated bid February 2016

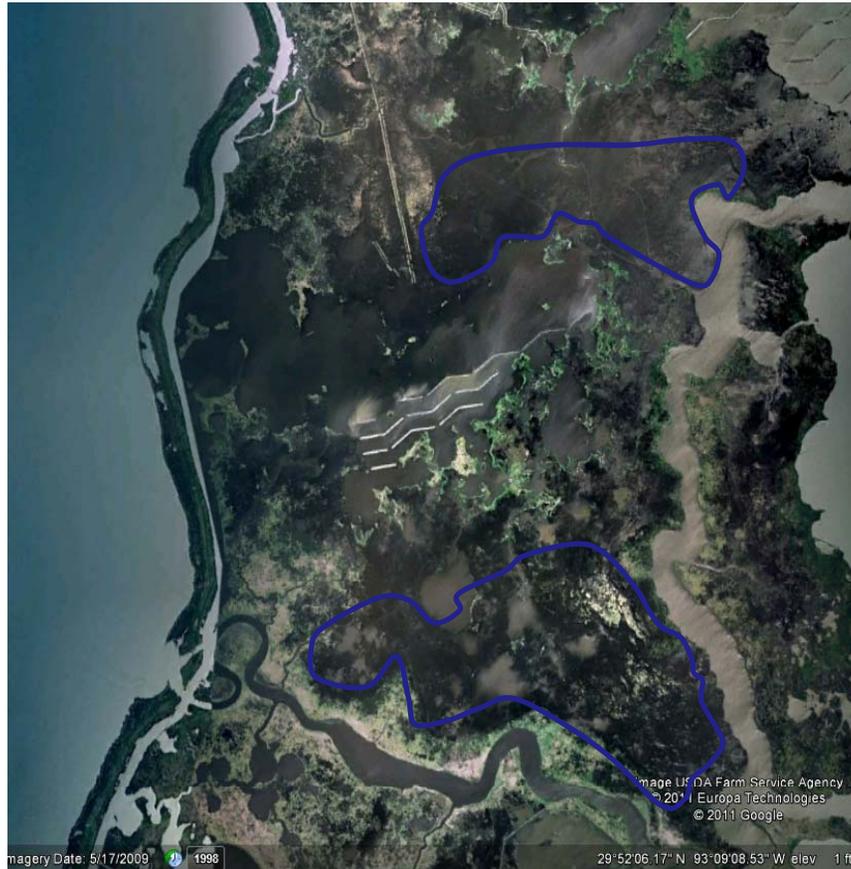
Funding Program

CWPPRA /USFWS

# Cameron Creole Grand Bayou Marsh Creation (CS-54)



**CPRA**  
Coastal Protection and  
Restoration Authority of Louisiana



Total Project Budget

\$26.1 million

Total Volume

2.6 Million Cubic Yards

Status

Anticipated Bid April 2016

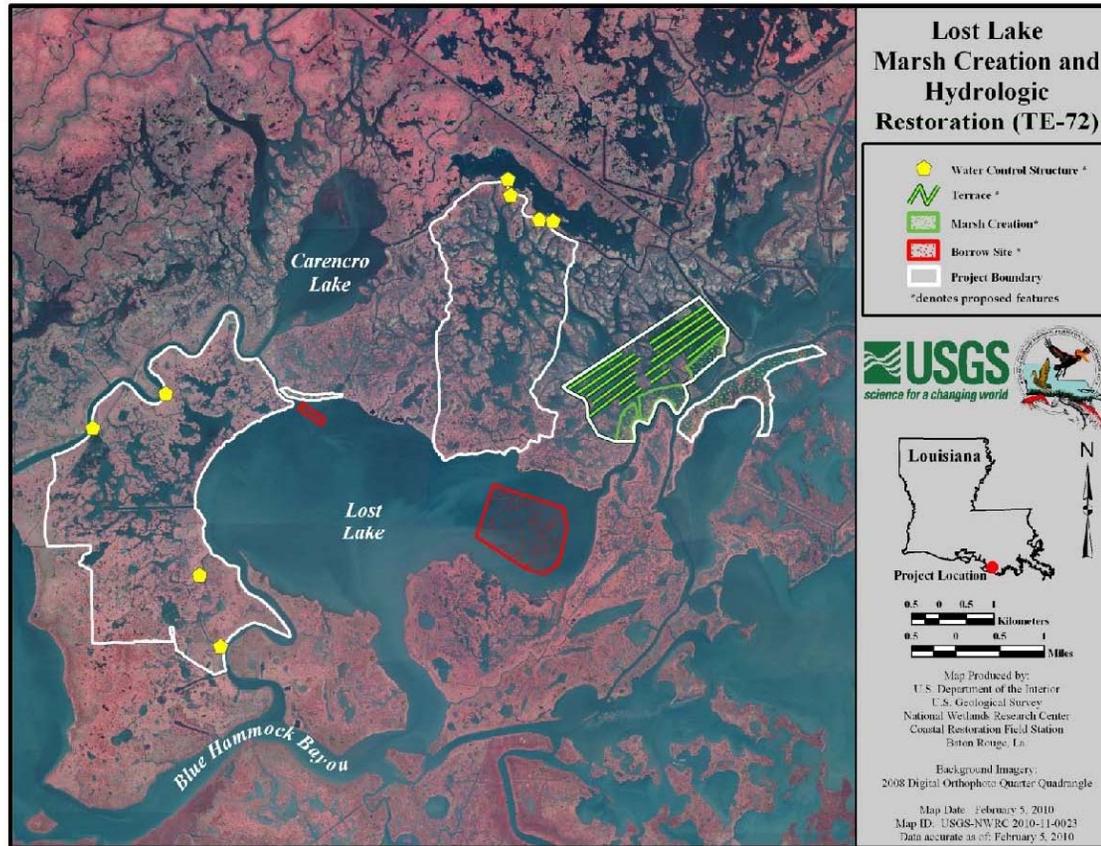
Funding Program

CWPPRA /USFWS

# Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)



**CPRA**  
Coastal Protection and  
Restoration Authority of Louisiana



Total Cost  
Total Volume (CY)  
Status  
Funding Programs

\$34.6M  
8.7M  
Funded for Construction  
CWPPRA/USFWS



# Oyster Bayou Marsh Restoration (CS-59)



Total Project Budget	\$30.9 million
Volume (CY)	3.3M
Status	Anticipated Bid Spring 2016
Funding Program	CWPPRA /NMFS

# Caminada Headlands Back Barrier Marsh Creation (BA-171)



Coastal Protection and  
Recreation Authority of Louisiana

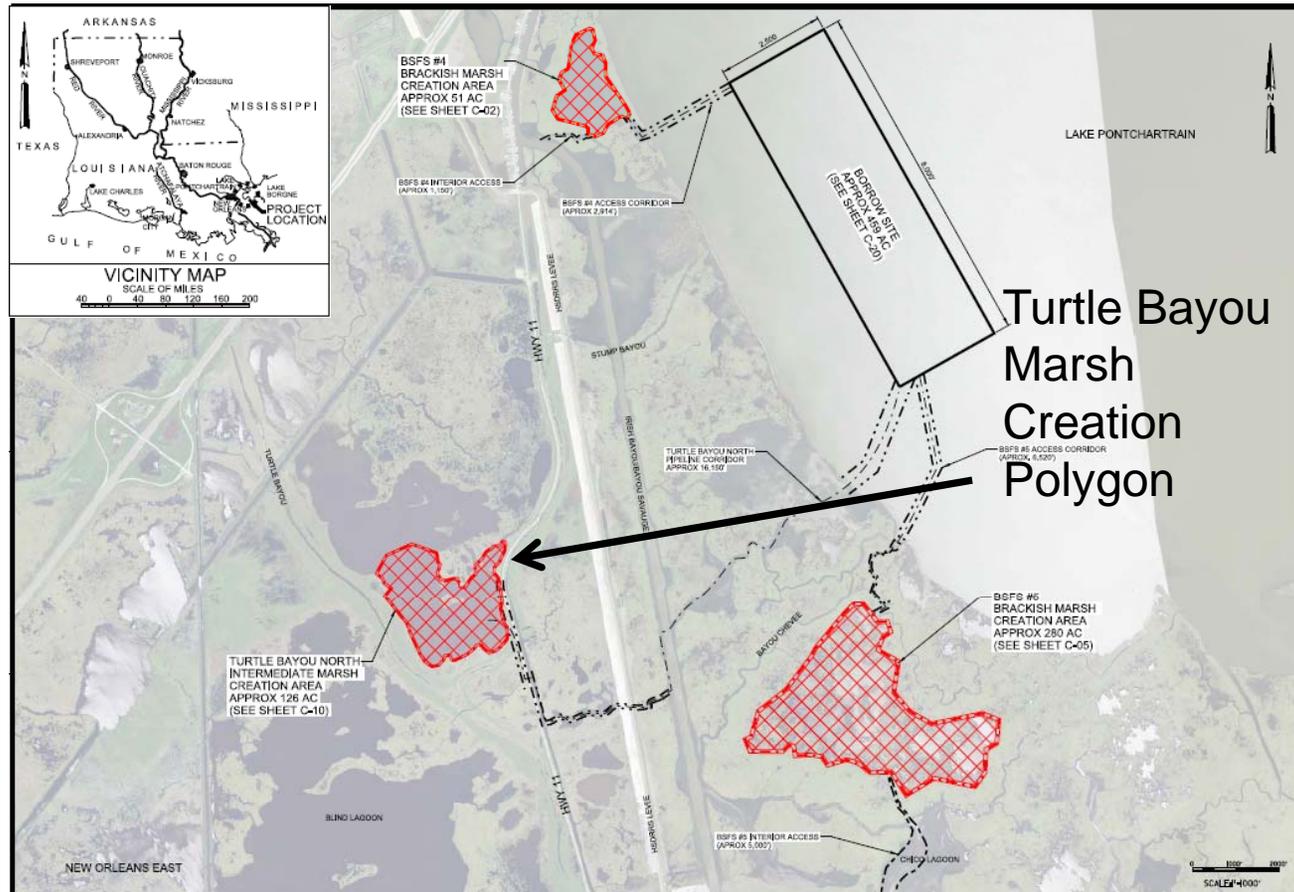


Total Budget  
Volume  
Status  
Funding Programs

\$23,328,303  
2-3M cubic yards  
Engineering and Design  
CWPPRA/EPA



# HSDRRS LPV Mitigation – Turtle Bayou (LPV-EVM-10) (PO-121)



Total Budget

\$5-20M

Volume

5-6M cubic yards

Status

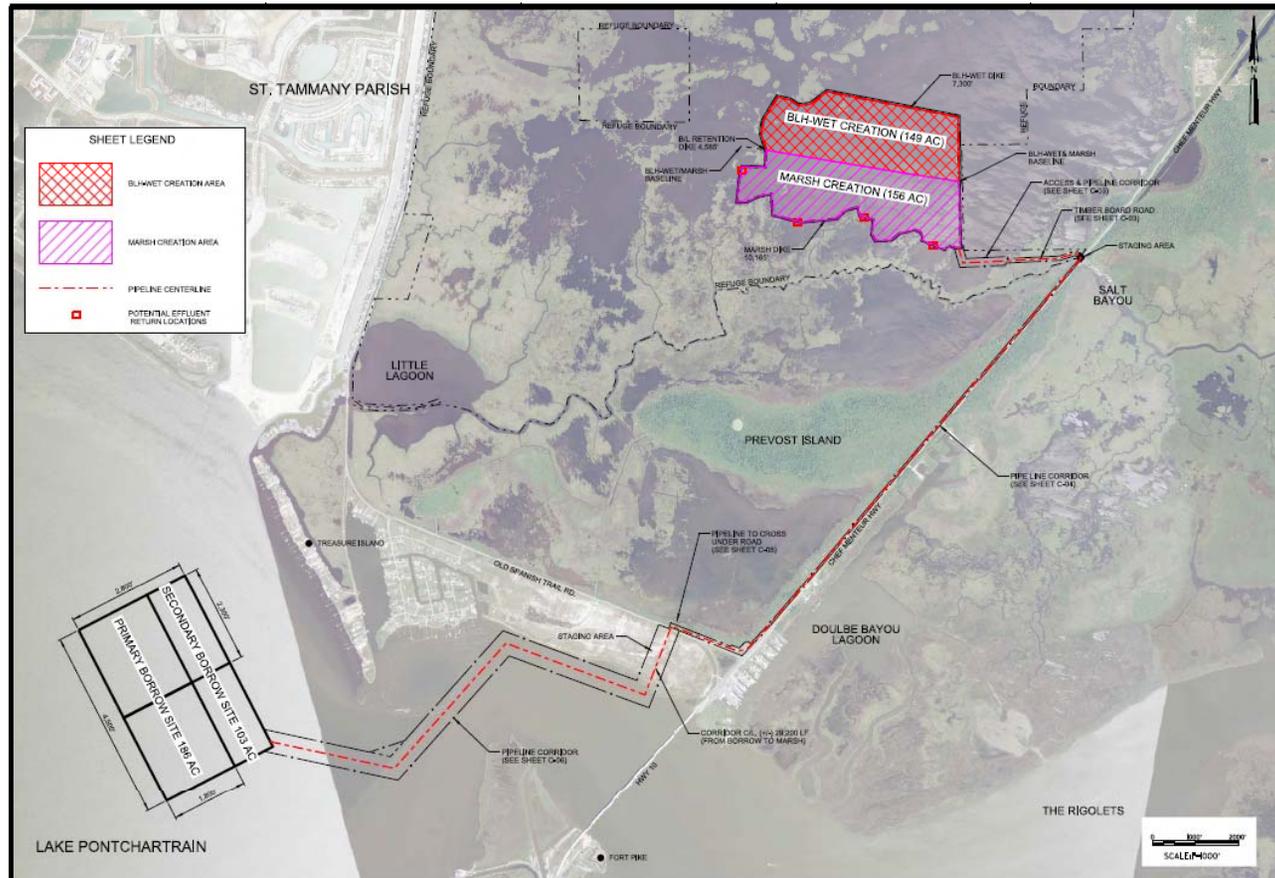
Advertise May 2016

Funding Programs

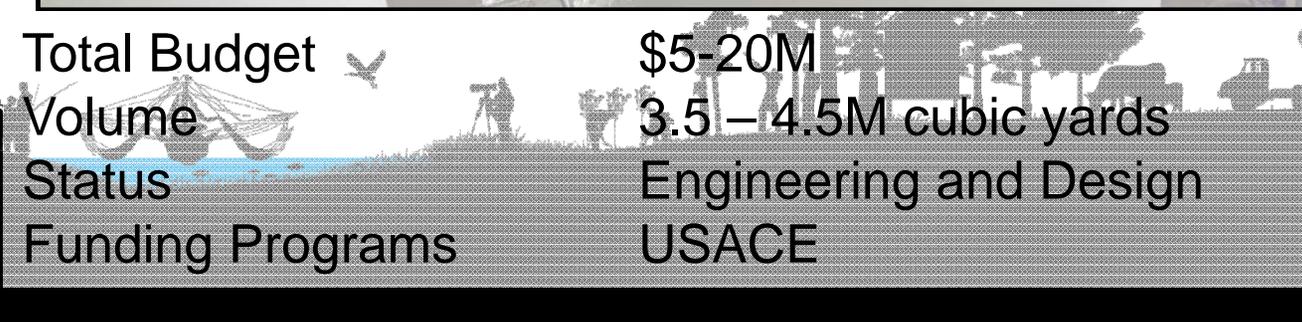
USACE



# HSDRRS LPV Mitigation – New Zydeco Ridge (LPV-EVM-11) (PO-



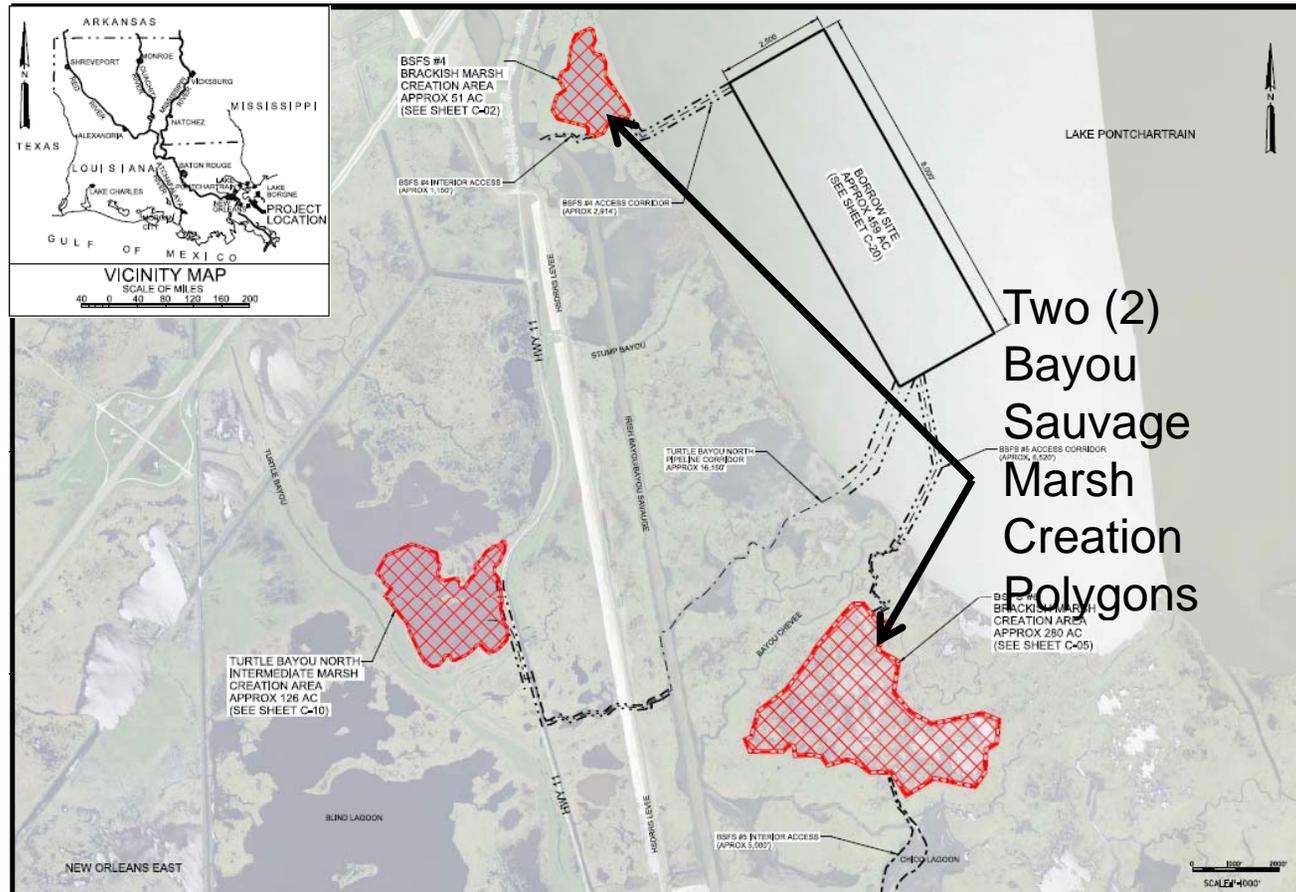
Total Budget	\$5-20M
Volume	3.5 – 4.5M cubic yards
Status	Engineering and Design
Funding Programs	USACE



# HSDRRS LPV Mitigation – Bayou Sauvage Flood Side Marsh (LPV-



State Provider and  
a subsidiary of Louisiana

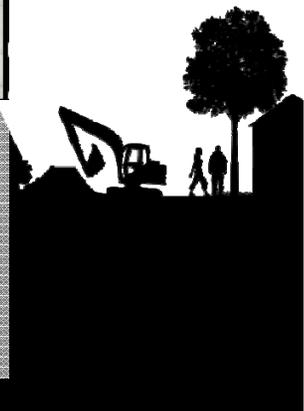


Two (2)  
Bayou  
Sauvage  
Marsh  
Creation  
Polygons



Total Budget  
Volume  
Status  
Funding Programs

\$20-50M  
5-6M cubic yards  
Engineering and Design  
USACE/CPRA



# East Timbalier Island Restoration (TE-118)



Coastal Protection and  
Restoration Authority of Louisiana



Total Project Budget

\$75-\$200M

Total Yards

5-10M

Status

E&D Bid in Fall 2017

Funding Programs

NFWF



# QUESTIONS?



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