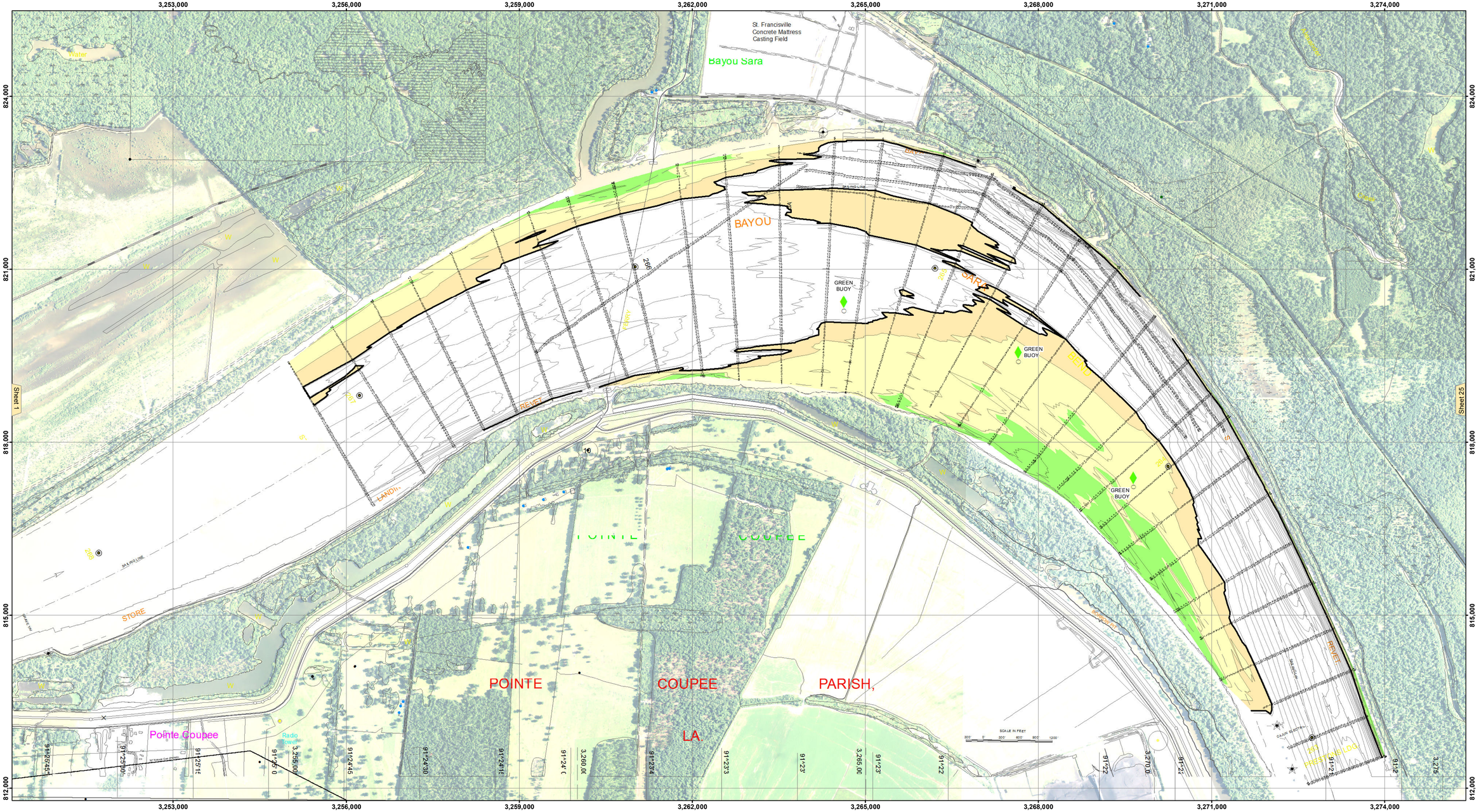

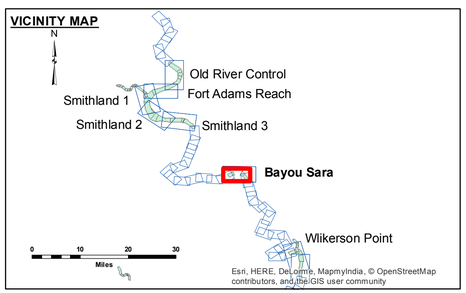

LEGEND

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding**
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy
- 0' and above
- 0' to -5'
- -5' to -9'
- -9' and below

N W E S

Feet
0 300 600 900 1,200 1,500

LWRP:	6.7
Gage Reading:	BR:19.0/RR:34.6 USED:26.70 NGVD
Sea Conditions:	CALM
Vessel Name:	189
Survey Type:	CS
Sounding Frequency***:	HIGH

NOTES:

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Soundings are shown in feet and indicate depths below Low Water Reference Plane 2007 (NGVD).

Distances on the Mississippi River, above and below Head of Passes are shown at 1 mile intervals.

The location of navigation aids are base on and provided by the U.S. Coast Guard and USACE crew.

2010 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.

Reference is USACE IENC U35LM236.

** Shoalest Sounding per Quarter per Reach.

*** High frequency (200 kHz) survey data represents the first signal return at a sounding location and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz) survey data normally penetrates through this "fluff" layer to depict elevations of consoldiated bottom material. Low frequency accuracies may vary depending on channel conditions and fathometer settings.

US Army Corps of Engineers
District: CEMVN

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Access Constraints: The United States Government furnishes these data and the US Coast Guard assumes no liability except as expressed, or implied concerning the accuracy, completeness, usefulness, or suitability of the information provided. Neither the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any loss sustained by reliance on the information or data furnished. The recipient fully agrees not to represent these data to anyone as other than the best available data of the Corps of Engineers and to provide these data to others without also transferring this Disclaimer.

The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered as represent the general condition existing at that time.

Distribution Liability: The data represents the results of data collected by the US Corps of Engineers for its own navigation activity and indicates the general existing condition. As such, it is only valid for its intended use, content, time and accuracy of the data. Any other use or application is at the user's risk and of any of the application of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change without notice because of natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for changes in the navigation channel or other navigation aids after the date of publication. This data is intended for U. S. Army Corps of Engineers' internal use. Product requires boaters to exercise safety precautions.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: SJR,JH	
	Plotted By: BD	
Recommended: Chief, Survey Section	Checked By: AO	
Approved: Chief, Waterways Maintenance Section		

MISSISSIPPI RIVER - SHALLOW DRAFT
BAYOU SARA
MS_24_BYS_20170725_CS
25 July 2017

Sheet Reference Number
24 of 39

Revison Number:
3.12-20160811