



**LEGEND**

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ 0' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ 0' to -5'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -5' to -10'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	★ Beacon, Red	■ -10' to -20'
— Project Depth Contour	⚓ Wrecks-Submerged	★ Beacon, Green	■ -20' to -30'
			■ -30' to -35'
			■ -35' to -40'
			■ -40' to -45'
			■ -45' to -50'
			■ -50' and below

**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 (NAVD).

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.

2015 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.

Reference is N.O.A. Navigation Chart No. 11370.

\*\* 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 consolidated bottom material. Low frequency accuracies may vary depending on channel conditions and fathometer settings.

LWRP: 1.4  
Gage Reading: BR:3.8 D:2.4 USED RTK: 2.40 NAVD  
Sea Conditions: CALM  
Vessel Name: LAFOURCHE  
Survey Type: CS  
Sounding Frequency\*\*\*: HIGH

Scale: 0 500 1,000 1,500 2,000 2,500 Feet

**US Army Corps of Engineers**  
District: CEMVN

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**Data Accuracy:** Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrographic conditions which develop after the date of the survey. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographic conditions which develop after the date of the survey. The user is responsible for the results of any use of the data. The user is responsible for the results of any use of the data.

Submitted:	Surveyed By:	RYLAND/SIMMONS
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Approved:	Checked By:	JH

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

**MISSISSIPPI RIVER - B.R. TO GULF**  
**SMOKE BEND CROSSING**  
**MD\_22\_SMB\_20231026\_CS**  
26 October 2023

**Sheet Reference Number**  
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