

**LEGEND**

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -10' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -10' to -20'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -20' to -30'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -30' to -40'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -40' to -45'
			■ -45' to -48.5'
			■ -48.5' to -55'
			■ -55' and below

**Gage Reading:** 2.60 MLLW @ VENICE @ 0900  
**Sea Conditions:** CALM, FLUFF  
**Vessel Name:** JOHN BOPP  
**Survey Type:** CONDITION, SB  
**Sounding Frequency\*\*\*:** LOW

**Vertical Datum:** Soundings are shown in feet and indicate depths below Mean Lower Low Water (MLLW, 07-11). Datum Relationships for gage 01480 as of July 2015: 0.0' NAVD86 = -0.3' MLLW = 3.20' MLG

**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.

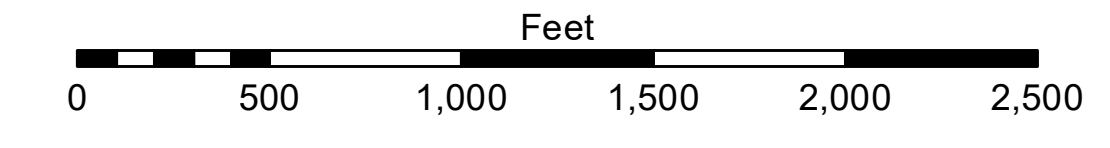
**Vertical Datum:** The location of navigation aids are base on and provided by the U.S. Coast Guard.

2016 Aerial Photography data source: Precision Aerial Reconnaissance, LLC (1998 DOQQ in green)

Reference is N.O.A. Navigation Chart No. 11361.

\*\* 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 (24 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.



**DISCLAIMER:** The data represents the results of data collection for a specific US Army Corps of Engineers project. The data is only valid for its intended use, and accuracy is not guaranteed. The user is responsible for the results. The application of the data for other than its intended purpose is at the user's risk. The user is responsible for the results. The application of the data for other than its intended purpose is at the user's risk. The user is responsible for the results. The application of the data for other than its intended purpose is at the user's risk.

**U.S. ARMY CORPS OF ENGINEERS**  
NEW ORLEANS DISTRICT

Submitted:	Surveyed By:	JH & TDG
Recommended:	Plotted By:	RSL
Approved:	Chief, Survey Section:	MSK
	Chief, Waterways Maintenance Section:	

**MISSISSIPPI RIVER - B.R. TO GULF**  
**SOUTHWEST PASS - SHEET 2**  
**SW\_02\_SWP\_20180422\_CS**  
**22 April 2018**

**Sheet Reference Number**  
**2 of 13**

Revision Number:  
3.12-20160811