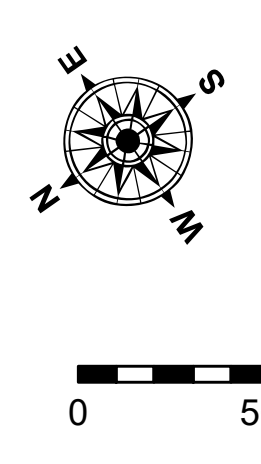


**LEGEND**

--- 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: 1.4 MLLW @ LIGHT-14 @ 1105  
 Sea Conditions: CALM  
 Vessel Name: JOHN BOPP  
 Survey Type: CONDITION, SB  
 Sounding Frequency\*\*\*: LOW

**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 Mean Lower Low Water (MLLW, 07-11). Datum Relationships for gage 01625 as of July 2015: 0.0' NAVD86 = 0.39' MLLW = 3.89' MLG  
 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.  
 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.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Checked By:	Approved:
Recommended:	Checked By:	Approved:
Surveyed By: JH & RCC	Plotted By: TSS	Checked By: MSK

**MISSISSIPPI RIVER - B.R. TO GULF  
 SOUTHWEST PASS - SHEET 9  
 SW\_09\_SWP\_20200728\_CS  
 28 July 2020**

**Sheet Reference Number**  
 9 of 13

Revision Number:  
 4.1-20191105

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

**DISTRIBUTION LIABILITY:** The data represents the results of data collection and processing for a specific US Army Corps of Engineers project. It is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results and accuracy of the data. Approval of the data for other than its intended purpose.  
 Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and channel shifts. The user is responsible for the accuracy of the data. The user is not responsible for changes in the hydrographical conditions which develop after the date of the survey. Prudent mariners should not rely solely upon it.

**PRECISION NOTES:** The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the Government makes no warranty, expressed, implied, or otherwise, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data. The user is responsible for the results and accuracy of the data under no liability whatsoever to any person by reason of any use of the data. These data are being released to the public under the authority of the United States Government. The recipient may not transfer these data to others without also transferring the Disclaimer. The information depicted on the map represents the results of a survey conducted by the United States Army Corps of Engineers and is considered to represent the general condition existing at that time.