



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 -50'
			■ -50' and below

Gage Reading: 4.2 MLG @ HEAD OF PASSES @ 1335
 Sea Conditions: CALM
 Vessel Name: OB-173
 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 Low Gulf Datum (MLG). Datum Relationships for gage 01545 as of July 2015: 0.0' NAVD88 = -0.3' MLLW = 3.32' 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 (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.



DISCLAIMER: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that they are not to be used for any purpose other than that for which they were prepared, or implied concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the recipient. The user is responsible for the results of any use of these data. The United States Government does not warrant, either expressly or implied, that the data are free from errors or omissions. The information depicted on the map represents the results of a survey conducted on or about the date of the survey. The information is not to be used for any purpose other than that for which it was prepared. The user is responsible for the results of any use of these data. The United States Government does not warrant, either expressly or implied, that the data are free from errors or omissions. The information depicted on the map represents the results of a survey conducted on or about the date of the survey. The information is not to be used for any purpose other than that for which it was prepared. The user is responsible for the results of any use of these data.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: LLB & TSS	Checked By: MSK
Recommended:	Plotted By: TSS	
Approved:	Chief, Survey Section	Chief, Waterways Maintenance Section

**MISSISSIPPI RIVER - B. R. TO GULF
 SOUTH PASS - SHEET 2
 SP_02_SPS_20180724_CS
 24 July 2018**

**Sheet Reference Number
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