



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

LWRP: 1.3
 Gage Reading: R:9.56 D:13.12 USED:11.1 NGVD
 Sea Conditions: CALM
 Vessel Name: OB189
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

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.
 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.



Distribution Liability: The data represents the results of data collection processing for a specific US Army Corps of Engineers project. It is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results. The user's application of the data for other than its intended purpose. Data Contaminants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and channel migration. The user is responsible for the accuracy of the data. The information depicted on this map represents the results of a survey conducted under the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: DS/DOR	Plotted By: BD
Recommended: Chet, Survey Section	Checked By: AC	
Approved: Chet, Waterways Maintenance Section		

**MISSISSIPPI RIVER - B.R. TO GULF
 BELMONT RECON
 MR_30_BEL_20180718_CS
 18 July 2018**

**Sheet
 Reference
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