



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	◆ Red Navigation Buoy	-10' to -20'
— Project Depth Contour	✘ Wrecks-Submerged	◆ Green Navigation Buoy	-20' to -30'
			-30' to -35'
			-35' to -40'
			-40' to -45'
			-45' to -50'
			-50' and below

LWRP: 1.4
 Gage Reading: DON:10.1 NAVD
 Sea Conditions: CALM
 Vessel Name: OB-189
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

Feet
 0 500 1,000 1,500 2,000 2,500

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.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 bathymeter settings.



DISCLAIMER: The data represented on this map is the result of a survey conducted by the U.S. Army Corps of Engineers. The data is only valid for the purpose for which it was collected and is not intended for any other purpose. The user is responsible for the results of any application of the data for other than its intended purpose. The application of the data for other than its intended purpose may result in injury or death. The U.S. Army Corps of Engineers does not assume any liability for the use of the data for other than its intended purpose. The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. The information is not intended to be used for any purpose other than that for which it was collected. The user is responsible for the results of any application of the data for other than its intended purpose. The application of the data for other than its intended purpose may result in injury or death. The U.S. Army Corps of Engineers does not assume any liability for the use of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: SP/SS	Plotted By: AO
Recommended:	Chief, Survey Section	Checked By: AC
Approved:	Chief, Waterways Maintenance Section	

**MISSISSIPPI RIVER - B.R. TO GULF
SMOKE BEND CROSSING
MD_22_SMB_20220214_CS
14 February 2022**

**Sheet Reference Number
22 of 97**