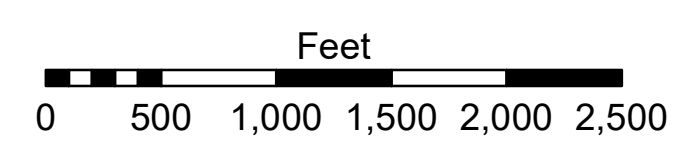
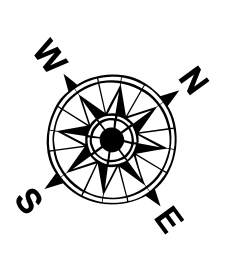


LEGEND

- - - 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' and below



LWRP: 1.8
 Gage Reading: BR:25.6 D:16.8 USED:20.60 NAVD
 Sea Conditions: CALM
 Vessel Name: OB-169
 Survey Type: CS
 Sounding Frequency***: HIGH

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. 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 for a specific US Army Corps of Engineers project. It is only valid for its intended use, context, time and accuracy specifications. The user is responsible for the results of their application. The application of the data for other than its intended purpose is not supported. Data Constants Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrographic conditions which develop after the date of the survey. The user is responsible for the results of their application. The information depicted on this map represents the results of a survey and is not to be used for navigation purposes. It is not to be considered as a substitute for a current nautical chart. The user is responsible for the results of their application.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: RYLAND/SIMMONS	Plotted By: BD
Recommended:	Chief Survey Section	Checked By: AD/JH
Approved:	Chief Waterways Maintenance Section	

MISSISSIPPI RIVER - B. R. TO GULF
BAYOU GOULA CROSSING
MD_13_GOU_20230427_CS
27 April 2023