



**LEGEND**

--- Federal Navigation Channel

— Federal Navigation Center Line

— As-built Pipeline/Cable

..... Unconfirmed Pipeline/Cable

— Project Depth Contour

○ Cable Area

□ Placement Area

□ Anchorage Area

⊗ Obstruction Point

✈ Wrecks-Submerged

■ Shoaling Area

● Shoalest Sounding\*\*

★ Beacon, General

◆ Red Navigation Buoy

◆ 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

**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.

2017 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.

LWRP: 0.8

Gage Reading: R:17.0NO:11.7 USED:14.4 NAVD

Sea Conditions: CHOP

Vessel Name: OB-169

Survey Type: CONDITION

Sounding Frequency\*\*\*: HIGH

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

Feet

**U.S. ARMY CORPS OF ENGINEERS**  
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: SPPS
Recommended: Chief, Survey Section	Plotted By: AO
Approved: Chief, Waterways Maintenance Section	Checked By: AO

**MISSISSIPPI RIVER - B.R. TO GULF**  
**LULING - SHEET 1**  
**MD\_45\_LUX\_20210318\_CS**  
**18 March 2021**

**Sheet Reference Number**  
**1 of 13**

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

**DISCLAIMER:**

The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. The data is not intended for use in any other project. The user is responsible for the accuracy, completeness, and reliability of the data. The user is responsible for the accuracy, completeness, and reliability of the data. The user is responsible for the accuracy, completeness, and reliability of the data.