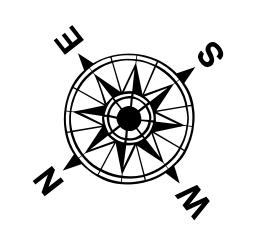


**LEGEND**

--- 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' to -55'
			■ -55' and below



Gage Reading: 1.6 MLLW @ MILE 17.9 @ 1030  
 Sea Conditions: CHOPPY  
 Vessel Name: BLANCHARD  
 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 Lower Low Water (MLLW, 12-16). Datum Relationships for gage 01670 as of March 2020: 0.0' NAVD83, 2009.55 = 0.79' MLLW = 4.29' 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 (24 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 the Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, or availability for any particular purpose of the information furnished hereunder. The user is responsible for the results of any use of the information furnished hereunder. The user shall indemnify and hold the United States Government harmless from and against all claims, damages, and expenses, including reasonable attorneys' fees, which may be asserted against or incurred by the United States Government or its employees, agents, or contractors, in connection with or arising out of the use of the information furnished hereunder. 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 intended. The information is not to be used for any purpose other than that for which it was intended. The information is not to be used for any purpose other than that for which it was intended.

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

**MISSISSIPPI RIVER - B.R. TO GULF  
 SOUTHWEST PASS - SHEET 12  
 SW\_12\_SWP\_20210505\_CS  
 05 May 2021**

**Sheet Reference Number  
 12 of 13**

Revision Number:  
 4.1-201 91105