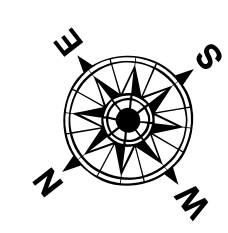
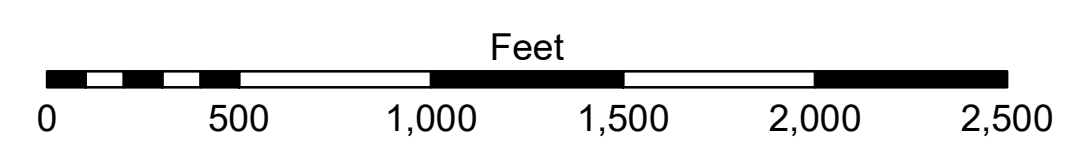


LEGEND			
	Federal Navigation Channel		-10' and above
	Federal Navigation Center Line		-10' to -20'
	As-built Pipeline/Cable		-20' to -30'
	Unconfirmed Pipeline/Cable		-30' to -40'
	Project Depth Contour		-40' to -45'
	Cable Area		-45' to -50'
	Placement Area		-50' to -55'
	Anchorage Area		-55' and below
	Obstruction Point		
	Wrecks-Submerged		
	Borrow Area		Beacon, General
	Shoalest Sounding**		Red Navigation Buoy
	Green Navigation Buoy		Green Navigation Buoy



Gage Reading: 1.6 MLLW @ MILE 17.9 @ 1305  
 Sea Conditions: CALM  
 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' NAVD88, 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.  
 2022 Aerial Photography data source: Optimal GEO (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 data represents the results of data collection for a specific US Army Corps of Engineers project and is only valid for its intended use. The user is responsible for the accuracy, completeness, and timeliness of the data for other than its intended purpose. The user is responsible for the accuracy, completeness, and timeliness of the data for other than its intended purpose. The user is responsible for the accuracy, completeness, and timeliness of the data for other than its intended purpose. The user is responsible for the accuracy, completeness, and timeliness of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: JH & DBD	Plotted By: TSS
Recommended:	Checked By: MSK	Approved:

**MISSISSIPPI RIVER - B.R. TO GULF  
 SOUTHWEST PASS - SHEET 12  
 SW\_12\_SWP\_20230404\_CS  
 04 April 2023**

**Sheet Reference Number  
 12 of 13**

Revision Number: 4.2-20230404