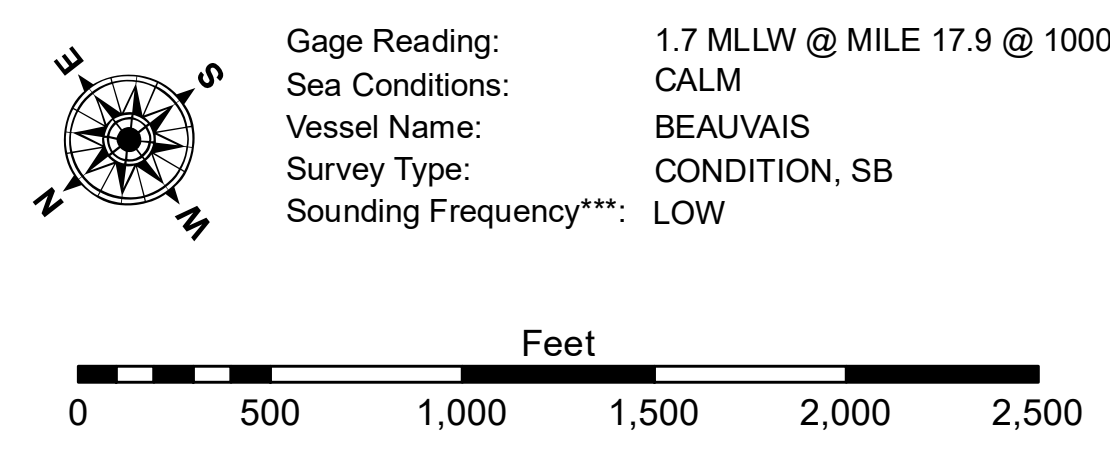


LEGEND			
	Federal Navigation Channel		-10' and above
	Federal Navigation Center Line		-10' to -20'
	As-built Pipeline/Cable		-20' to -30'
	Unconfirmed Pipeline/Cable		-30' to -40'
	Project Depth Contour		-40' to -45'
	Cable Area		-45' to -50'
	Placement Area		-50' to -55'
	Anchorage Area		-55' and below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



**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.



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

**PERSONNEL:**  
 Surveyed By: JUC & MGF  
 Plotted By: TSS  
 Checked By: MSK

**MISSISSIPPI RIVER - B.R. TO GULF  
 SOUTHWEST PASS - SHEET 12  
 SW\_12\_SWP\_20210930\_CS  
 30 September 2021**

**Sheet Reference Number  
 12 of 13**

Revision Number:  
 4.2-20210429