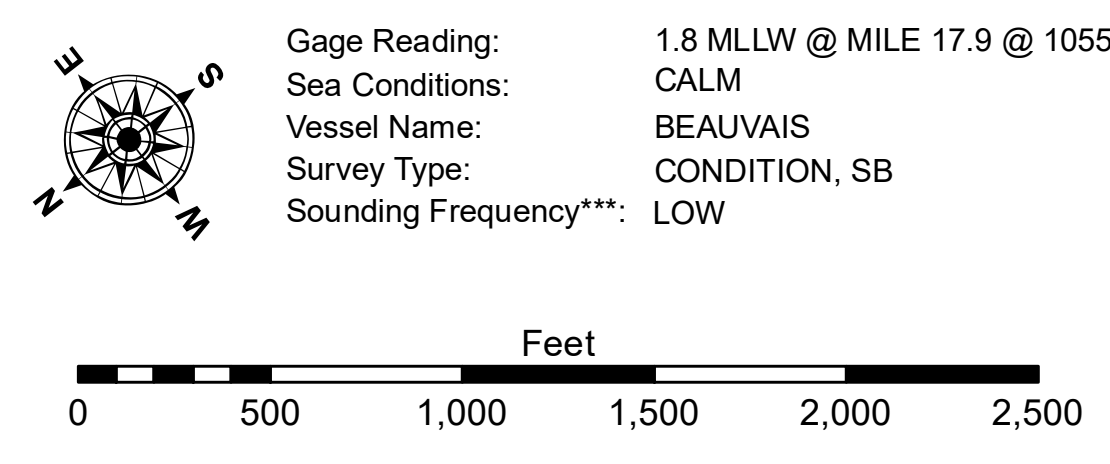


**LEGEND**

--- 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



**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 based 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  
**PROJECT:** MISSISSIPPI RIVER - B.R. TO GULF SOUTHWEST PASS - SHEET 12  
**DATE:** 27 September 2022

**Legend:**  
 Surveyed By: JUC & MGF  
 Plotted By: TSS  
 Recommended: Chief Survey Section  
 Checked By: MSK  
 Approved: Chief Waterways Maintenance Section

Submitted:	Surveyed By: JUC & MGF
Recommended:	Plotted By: TSS
Checked By:	MSK
Approved:	Chief Waterways Maintenance Section

**MISSISSIPPI RIVER - B.R. TO GULF SOUTHWEST PASS - SHEET 12**  
**SW\_12\_SWP\_20220927\_CS**  
**27 September 2022**

**Sheet Reference Number**  
**12 of 13**

Revision Number:  
 4.2-202 (04/20)