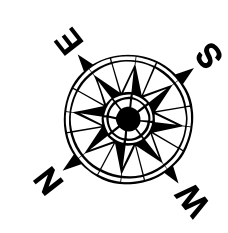
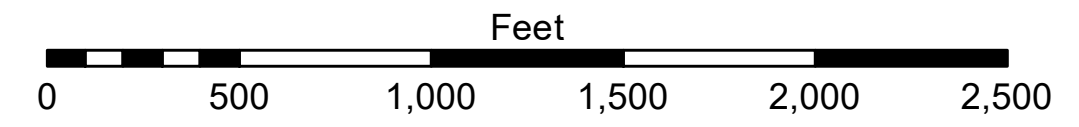


**LEGEND**

	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: 2.1 MLLW @ MILE 17.9 @ 1140  
 Sea Conditions: CALM  
 Vessel Name: TOBIN  
 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.

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: JH & RCC
Recommended: Chert, Survey Section	Plotted By: RSL
Approved: Chert, Waterways Maintenance Section	Checked By: MSK

**MISSISSIPPI RIVER - B.R. TO GULF  
 SOUTHWEST PASS - SHEET 12  
 SW\_12\_SWP\_20230703\_CS  
 03 July 2023**

**Sheet Reference Number  
 12 of 13**

Revision Number:  
4.2-20230420

**DISTRICT:** CEMVN  
**PROJECT:** SW\_12\_SWP\_20230703\_CS  
**DATE:** 03 July 2023  
**SCALE:** 1" = 400'  
**PROJECTION:** UTM  
**DATUM:** NAD83  
**VERTICAL DATUM:** MLLW, 12-16  
**COORDINATE SYSTEM:** SPCS, Louisiana South Zone  
**UNIT:** U.S. Survey Feet  
**PROJECTION:** UTM  
**DATUM:** NAD83  
**VERTICAL DATUM:** MLLW, 12-16  
**COORDINATE SYSTEM:** SPCS, Louisiana South Zone  
**UNIT:** U.S. Survey Feet

**Access:** This map is available to the public through the National Wetlands Inventory (NWI) website at <http://www.fws.gov/nwi>. The NWI website provides a public interface to the National Wetlands Inventory (NWI) database. The NWI database is a national inventory of wetlands, including wetlands that are subject to the Clean Water Act (CWA) and the National Wetlands Inventory (NWI) Act. The NWI database is a national inventory of wetlands, including wetlands that are subject to the Clean Water Act (CWA) and the National Wetlands Inventory (NWI) Act.

**Disclaimer:** The data represented on this map is the result of a survey conducted by the U.S. Army Corps of Engineers. The data is subject to change and is not intended for use as a legal document. The user is responsible for interpreting the data and for determining its accuracy. The user is responsible for determining the accuracy of the data for their intended use. The user is responsible for determining the accuracy of the data for their intended use.

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