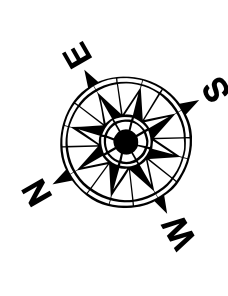


LEGEND			
--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -10' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -10' to -20'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -20' to -30'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -30' to -40'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -40' to -45'
			■ -45' to -48.5'
			■ -48.5' to -55'
			■ -55' and below



Gage Reading: 0.5 MLLW @ HEAD OF PASSES @ 0845
 Sea Conditions: CHOPPY
 Vessel Name: JOHN BOPP
 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: 0.0' NAVD88 = -0.18' MLLW = 3.32' MLG
 Soundings are shown in feet and indicate depths below Mean Lower Low Water (MLLW, 07-11). Datum Relationships for gage 01545 as of July 2015:
 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.



US Army Corps of Engineers District: CEMVN

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

**MISSISSIPPI RIVER - B. R. TO GULF
 SOUTHWEST PASS - SHEET 6
 SW_06_SWP_20191203_CS_FORUM
 03 December 2019**

**Sheet Reference Number
 6 of 13**

Revision Number:
 4.0-201-90702