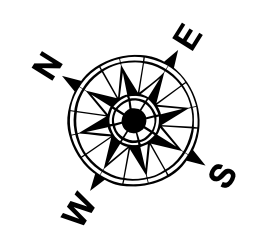
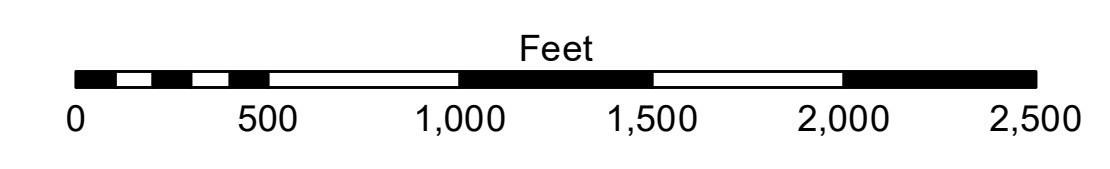


LEGEND			
--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -10' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -10' to -20'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -20' to -30'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ 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: 1.6 MLLW @ PILOT TOWN @ 0935
 Sea Conditions: CALM
 Vessel Name: OB-173
 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, 07-11). Datum Relationships for gage 01525 as of July 2015: 0.0' NAVD83 = -0.3' MLLW = 3.20' 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.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 United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were prepared, and that the Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the data. The user is responsible for the results obtained from the use of the data for other than the intended purpose. Application of the data for other than the intended purpose is at the user's risk. The user shall be held responsible for any damage or injury resulting from the use of the data for other than the intended purpose. The information depicted on this map represents the results of a survey conducted under contract to the U.S. Army Corps of Engineers. The information is not to be used for any purpose other than that for which it was prepared. The user is responsible for the results obtained from the use of the data for other than the intended purpose. The information depicted on this map represents the results of a survey conducted under contract to the U.S. Army Corps of Engineers. The information is not to be used for any purpose other than that for which it was prepared. The user is responsible for the results obtained from the use of the data for other than the intended purpose.

Submitted:	Surveyed By:	JTB & TDG
Recommended:	Plotted By:	LLB
Approved:	Chief, Survey Section:	MSK
	Chief, Waterways Maintenance Section:	

**MISSISSIPPI RIVER - B.R. TO GULF
 SOUTHWEST PASS - SHEET 5
 SW_05_SWP_20180711_CS
 11 July 2018**

**Sheet Reference Number
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Revision Number: 3.12-20160811