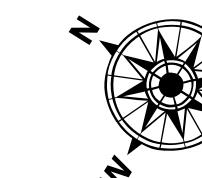


<u>LEGEND</u>	
— Federal Navigation Channel	○ Cable Area
— Federal Navigation Center Line	■ Placement Area
— As-built Pipeline/Cable	● Shoalest Sounding**
..... Unconfirmed Pipeline/Cable	□ Anchorage Area
— Project Depth Contour	★ Beacon, General
	⊗ Obstruction Point
	◆ Red Navigation Buoy
	◆ Green Navigation Buoy

Gage Reading: 2.20 MLLW @ PILOT TOWN @ 1250
 Sea Conditions: CHOPPY
 Vessel Name: JOHN BOPP
 Survey Type: CONDITION, SB
 Sounding Frequency***: LOW

0 500 1,000 1,500 2,000 2,500
 Feet



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' NAVD88 = -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.

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Revision Number:
 4-0201907022

US Army Corps of Engineers
 District: CEMVN

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Data Constraints
 Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, Army Corps of Engineers actions to improve navigation, changes in hydrographical conditions which develop after the date of publication. This data is intended for use by the Army Corps of Engineers as a reference for engineering purposes only. The data is not to be considered reliable for navigation or surveying purposes. The data is provided "as is" without warranty or guarantee of any kind. The user agrees not to represent these data as other than Government provided data. The user may not transfer these data to anyone else without also transferring this Document.

Surveyed By: JH & RJC	Submitted By: TS
Protected By: MSK	Cheated By: MSK
One I Survey Section	One I Waterways Maintenance Section
Approved: One I	Approved: One I

MISSISSIPPI RIVER - B.R. TO GULF
SOUTHWEST PASS - SHEET 4
SW_04_SWP_20200309_CS
 09 March 2020