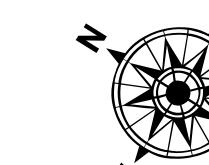


Gage Reading: 1.3 MLLW @ PILOT TOWN @ 0930  
 Sea Conditions: CALM  
 Vessel Name: JOHN BOPP  
 Survey Type: CONDITION, SB  
 Sounding Frequency\*\*\*: LOW

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.



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

**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 represents 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

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and includes the general existing condition. As such, the user is responsible for the results of any particular application of the data furnished. The user is responsible for the results of any application of the data other than its intended purpose.  
 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, and changes in the hydrographic conditions which develop after the date of publication. This data is intended for use by the Army Corps of Engineers as a reference for planning purposes only. The data is not to be used for navigation or engineering applications without also consulting this Document.

**DATA SHEET**  
 Acoustic Constraints: The United States Corps of Engineers, understanding that the U.S. Government makes no warranties, representations or guarantees as to the accuracy, reliability, or completeness of the data furnished, hereby disclaims all warranties, representations or guarantees, expressed or implied, as to the accuracy, reliability, or completeness of the data furnished. The United States shall be under no liability or responsibility to the user or any third party for any damages resulting from the use of the data furnished. The recipient agrees not to represent these data to anyone as other than the Government provided date. The recipient may not alter these data or omit them without also consulting this Document.  
 The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered b reproducible in the general condition existing at that time.

Surveyed By: HNP & TDG
Protected By: TS
Charged By: NSK

**MISSISSIPPI RIVER - B.R. TO GULF**  
**SOUTHWEST PASS - SHEET 4**  
**SW\_04\_SWP\_20180601\_CS**  
 01 June 2018

**Sheet Reference Number**  
 4 of 13

Revision Number: 312-20160811