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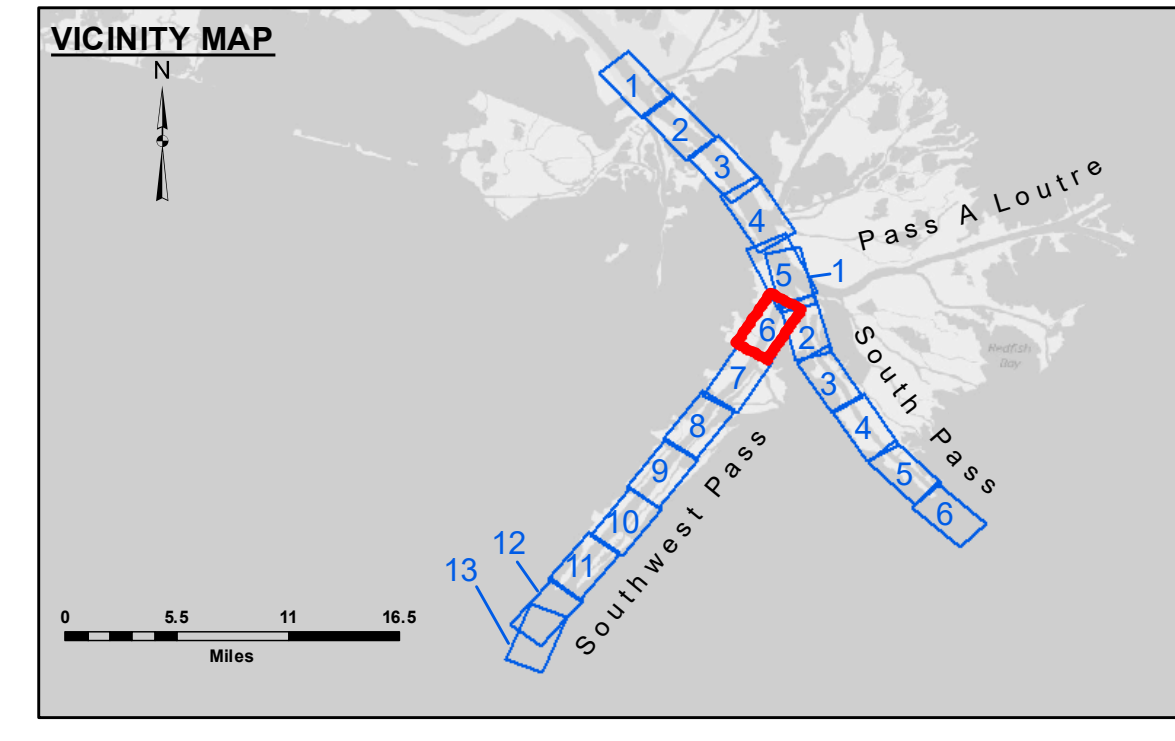
Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, sedimentation, and other factors. The user is responsible for the hydrographical conditions which develop after the date of the survey. Prudent mariners should not rely solely upon it.

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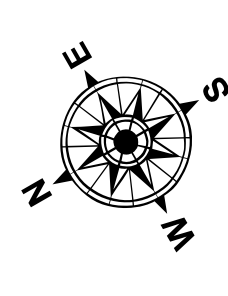
Disclaimer: These data are being released in the public domain. The user is responsible for the results of its use. Application of the data for other than its intended purpose. The information depicted on the map represents the results of a survey and is not to be used for navigation. The information is provided for informational purposes only and is not to be used for navigation.

Submitted:	Checked By:
Recommended:	Checked By:
Approved:	Checked By:

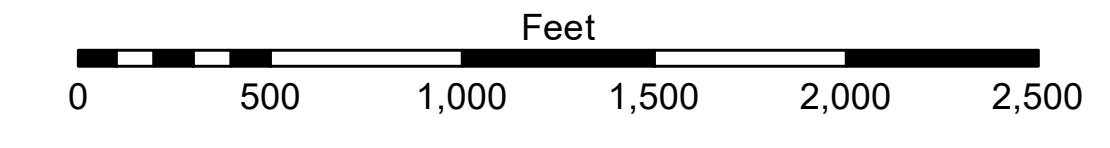
U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT



LEGEND	
Federal Navigation Channel	Placement Area
Federal Navigation Center Line	Anchorage Area
Unconfirmed Pipeline/Cable	Obstruction Point
Project Depth Contour	Wrecks-Submerged
Borrow Area	Shoalest Sounding**
Beacons, General	Red Navigation Buoy
Green Navigation Buoy	-10' and above
-10' to -20'	-20' to -30'
-30' to -40'	-40' to -45'
-45' to -50'	-50' to -55'
-55' and below	



Gage Reading: 0.5 MLLW @ HEAD OF PASSES @ 0845
 Sea Conditions: CALM
 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: Mean Low Water (MLLW), 12-16'.
 Datum Relationships for gage 01545 as of March 2020: 0.0' NAVD83, 2009.55 = -0.32' MLLW = 3.18' MLG
 Distances on the Mississippi River, above and below Head of Passes are shown at 1 mile intervals.
 The location of navigation aids are based 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.

**MISSISSIPPI RIVER - B.R. TO GULF
 SOUTHWEST PASS - SHEET 6
 SW_06_SWP_20211130_CS
 30 November 2021**

**Sheet Reference Number
 6 of 13**

Revision Number:
 4.2-202 (04/20)