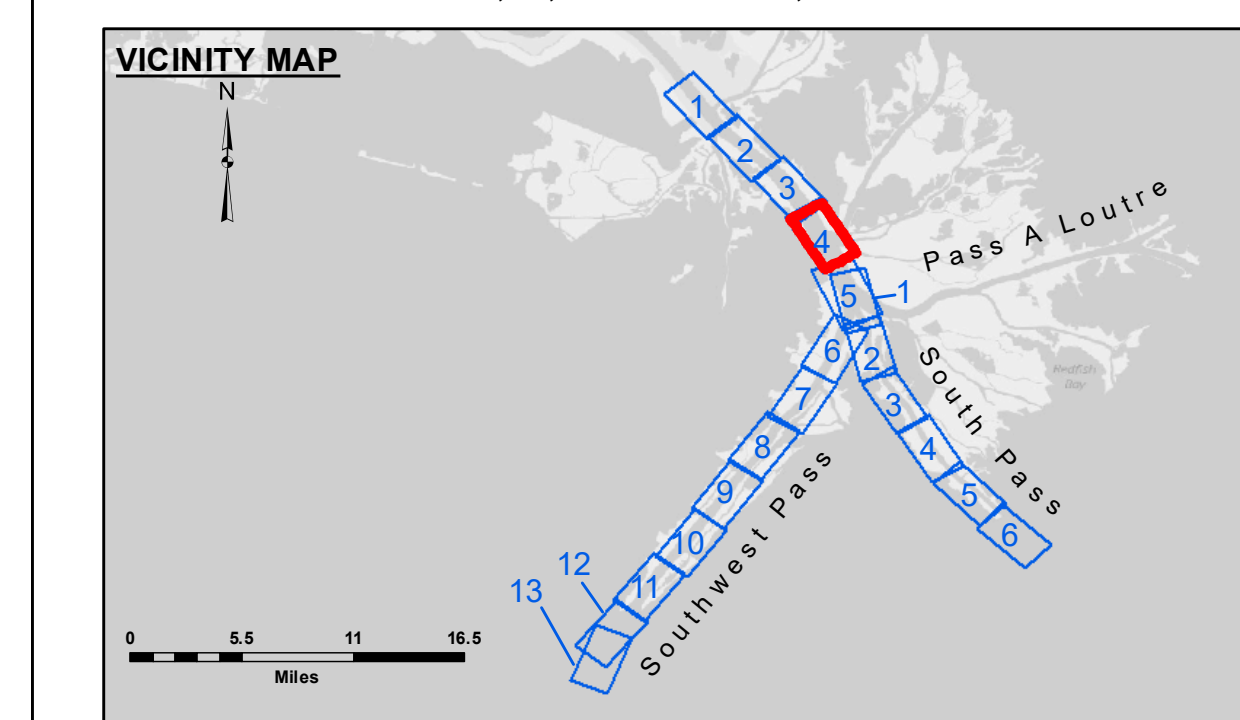


Access/Restrictions: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that neither the Government nor the Corps of Engineers is responsible for its use. The user is responsible for the results and any damages caused by its use. The recipient may not transfer these data to others without also transferring the license. The information depicted on the map represents the results of a survey and is not guaranteed to be accurate or complete. The user is advised to verify the accuracy of the information before using it for any purpose. The recipient may not transfer these data to others without also transferring the license.

Submitted:	Checked By: MSK
Recommended: Chief, Survey Section	Checked By: MSK
Reviewed By: HNP & MGF	Checked By: MSK

U.S. ARMY CORPERS OF ENGINEERS
NEW ORLEANS DISTRICT

MISSISSIPPI RIVER - B. R. TO GULF
SOUTHWEST PASS - SHEET 4
SW_04_SWP_20180517_CS
17 May 2018

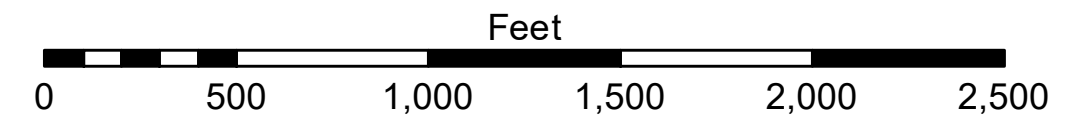


LEGEND

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: 1.9 MLLW @ PILOT TOWN @ 1745
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: 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 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 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.