

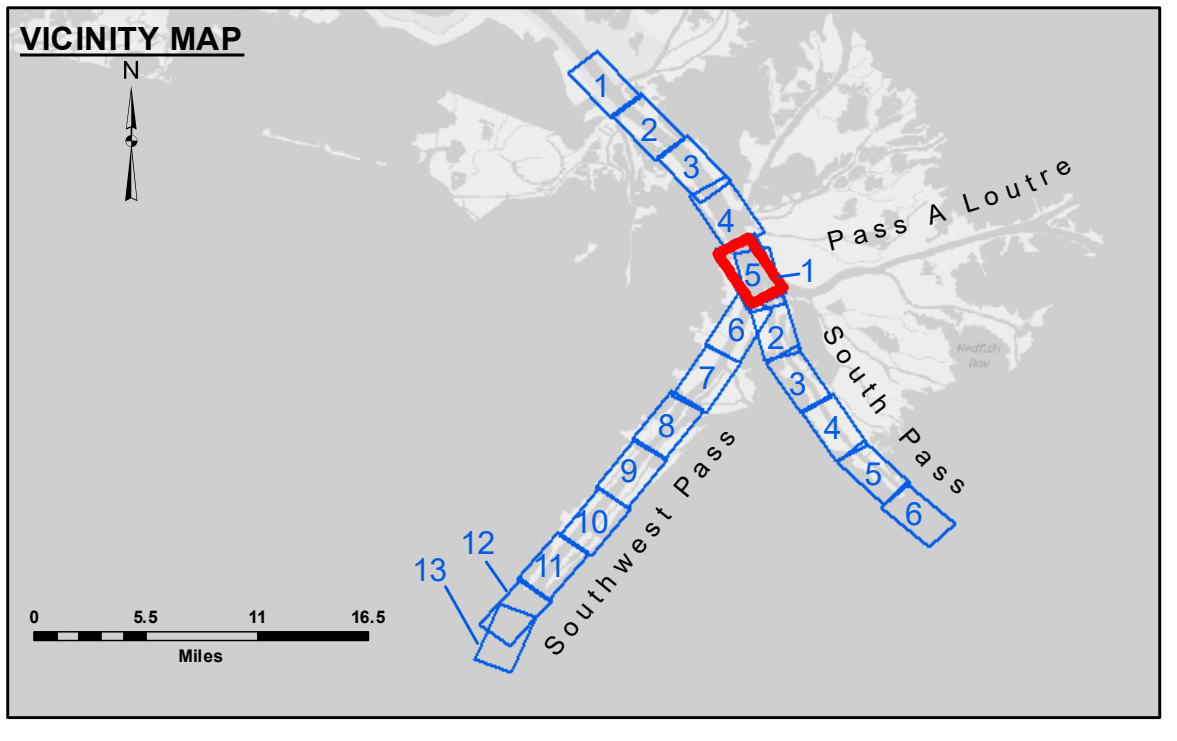
DISCLAIMER
 The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not warranted for any particular purpose, expressed or implied, concerning the accuracy, completeness, reliability, usability, or availability for any particular purpose of the recipient. The user is responsible for the results obtained from the use of the data for other than the intended purpose.
 Date Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, channel migration, and other factors. The user is responsible for the use of the data for other than the intended purpose.
 The information depicted on this map represents the results of a survey conducted on or about the date of the survey. It is not intended to represent the general condition existing at that time.

Submitted:	Chart Survey Section
Recommended:	TSS
Approved:	MSK

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

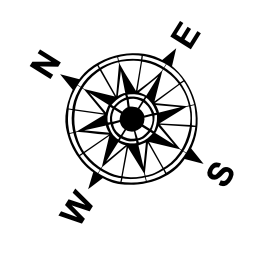
**MISSISSIPPI RIVER - B.R. TO GULF
 SOUTHWEST PASS - SHEET 5
 SW_05_SWP_20190215_CS
 15 February 2019**

**Sheet Reference Number
 5 of 13**

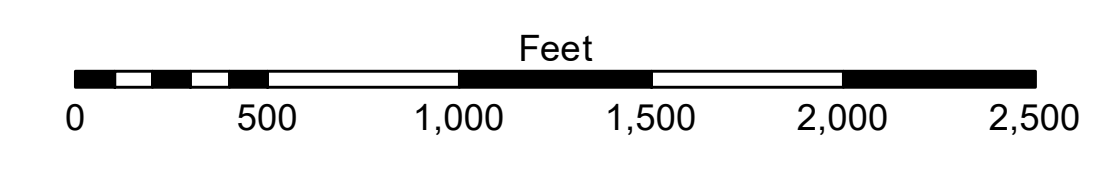


LEGEND

--- 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: 1.7 MLLW @ PILOT TOWN @ 1015
 Sea Conditions: CHOPPY
 Vessel Name: BLANCHARD
 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. 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.