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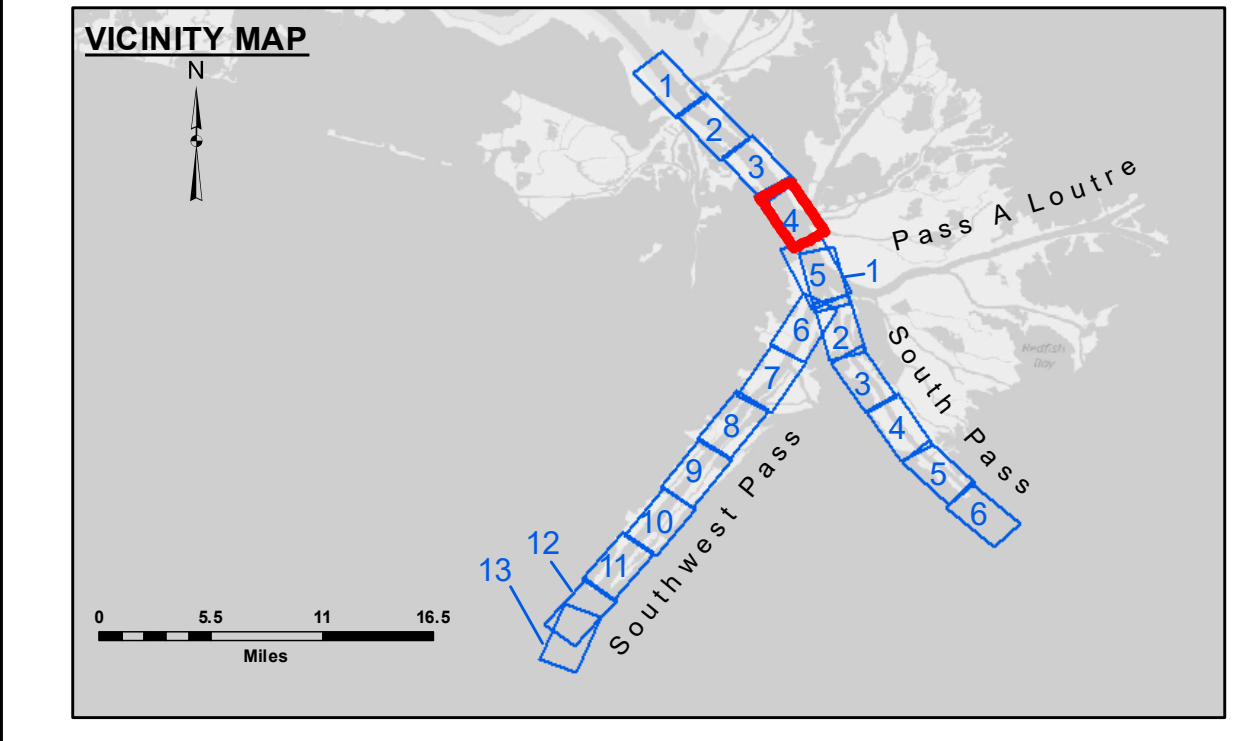
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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: JH & TDG
Recommended:	Plotted By: TSS
Approved:	Checked By: MSK

**MISSISSIPPI RIVER - B.R. TO GULF  
SOUTHWEST PASS - SHEET 4  
SW\_04\_SWP\_20180328\_CS  
28 March 2018**

**Sheet Reference Number  
4 of 13**

Revision Number:  
3.13-20160811



**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:** 2.1 MLLW @ PILOT TOWN @ 0920  
**Sea Conditions:** CHOPPY  
**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' NAVD86 = -0.3' MLLW = 3.20' MLG

**Notes:** 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 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.

