

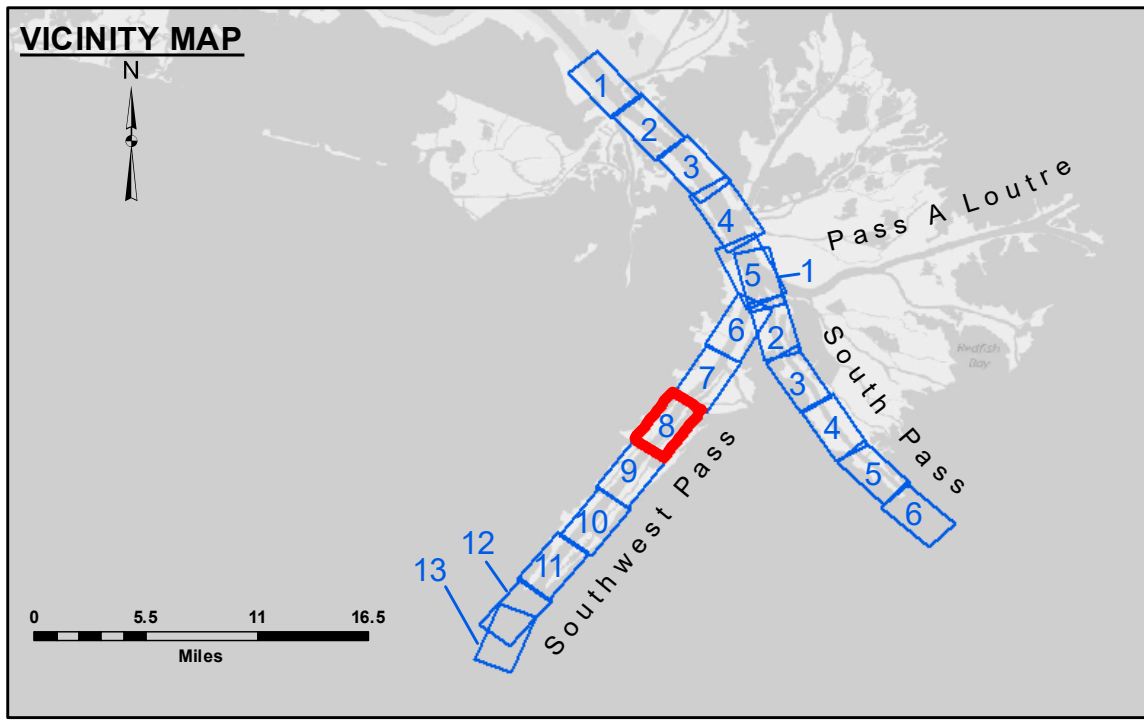
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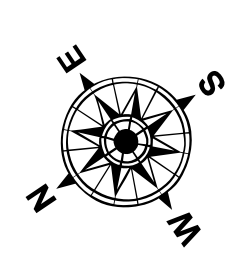
CUTTERHEAD DREDGE CAPTAIN FRANK DREDGING MILE 8.8 BHP TO MILE 8.2 BHP EAST HALF OF THE CHANNEL

Sheet 7

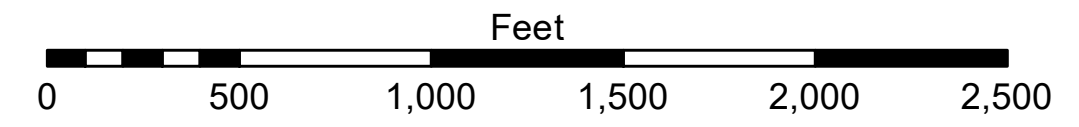
U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	JH & RCC
Recommended:	TSS
Approved:	MSK



LEGEND	
- - - Federal Navigation Channel	● Cable Area
— Federal Navigation Center Line	■ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
- · - - Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	★ Wrecks-Submerged
□ Borrow Area	★ Beacon, General
● Shoalest Sounding**	◆ Red Navigation Buoy
● -10' and above	◆ Green Navigation Buoy
● -10' to -20'	
● -20' to -30'	
● -30' to -40'	
● -40' to -45'	
● -45' to -48.5'	
● -48.5' to -55'	
● -55' and below	



Gage Reading: 2.0 MLLW @ LIGHT-21 @ 1450
 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 01575 as of July 2015: 0.0' NAVD88 = 0.17' MLLW = 3.67' 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.

**MISSISSIPPI RIVER - B.R. TO GULF
 SOUTHWEST PASS - SHEET 8
 SW_08_SWP_20200310_CS
 10 March 2020**