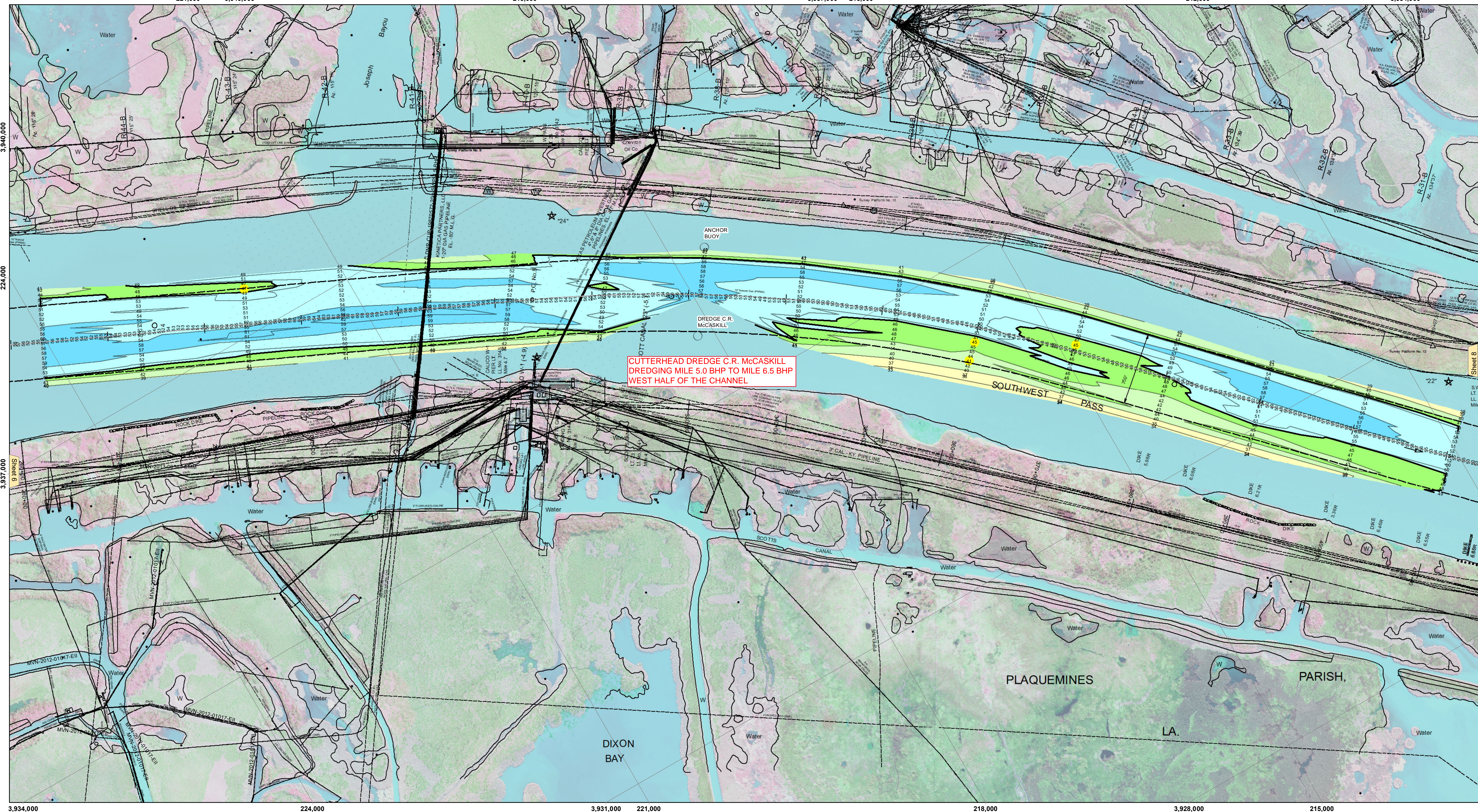


221,000 3,940,000 218,000 3,937,000 215,000 212,000 3,934,000

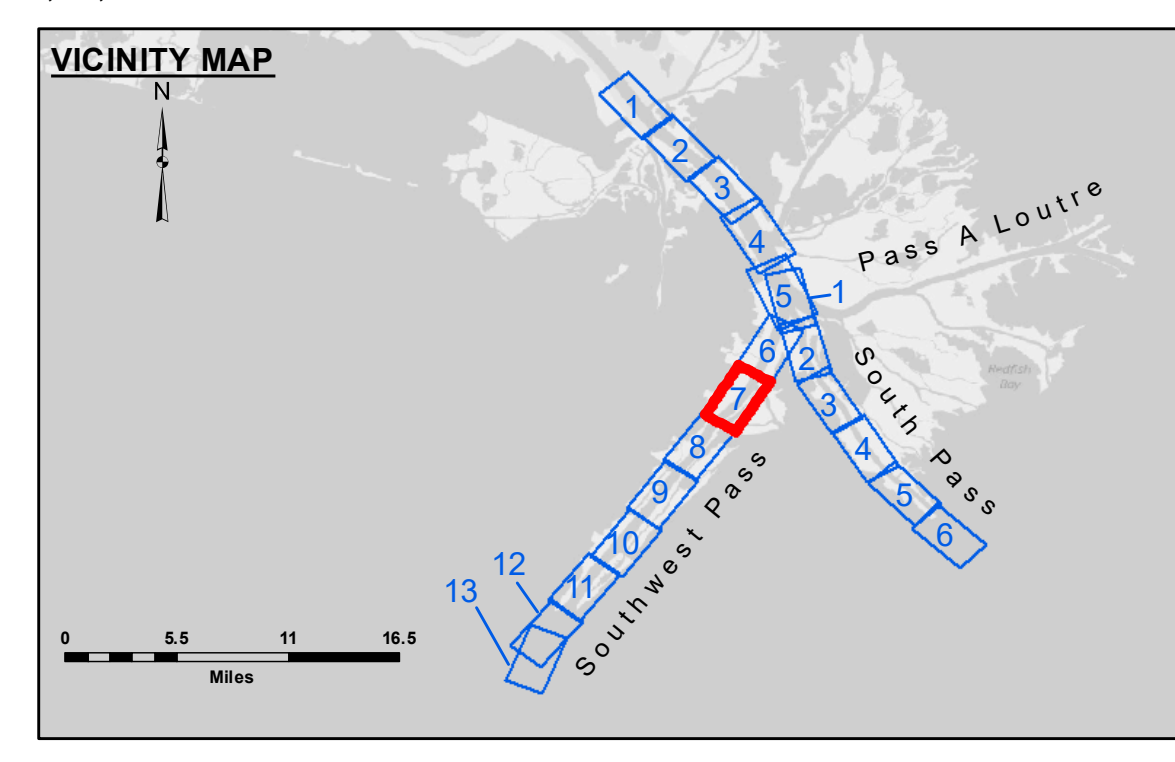


DISCLAIMER
The data represented by this map is the result of data collection processing for a specific US Army Corps of Engineers project and is only valid for its intended use. Content, time and accuracy are not guaranteed. The user is responsible for the results and accuracy of the data. No representation of the data for other than its intended purpose.
Data Constants: Hydrographic survey data is subject to change frequently due to several factors including but not limited to dredging operations. The user is responsible for verifying the data for use in the hydrographical conditions which develop after the date of the survey. The user is responsible for the accuracy of the data. The information depicted on this map represents the results of a survey and is not to be used for navigation purposes. It is not considered to represent the general condition existing at that time.

ACCESS NOTES
The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are provided as a courtesy and are not to be used, expressed, or implied, for any purpose other than that for which they were prepared, or for any purpose for which they were not intended, without the express written consent of the United States Army Corps of Engineers. The user is responsible for the results and accuracy of the data. No representation of the data for other than its intended purpose.
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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: JTB & STR
Recommended:	Plotted By: TSS
Approved:	Checked By: MSK

**MISSISSIPPI RIVER - B.R. TO GULF
SOUTHWEST PASS - SHEET 7
SW_07_SWP_20190725_CS
25 July 2019**



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

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: 2.3 MLLW @ HEAD OF PASSES @ 1005

Gage Reading: 2.3 MLLW @ HEAD OF PASSES @ 1005

Sea Conditions: CHOPPY

Vessel Name: JOHN BOPP

Survey Type: CONDITION, SB

Sounding Frequency***: LOW

Datum Relationships for gage 01545 as of July 2015:
0.0' NAVD86 = -0.18' MLLW = 3.32' MLG

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.