



LEGEND		LEGEND		LEGEND	
--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ 0' and above	⊙ Shoalest Sounding**	⊙ 0' to -5'
— Federal Navigation Center Line	▭ Placement Area	● Shoalest Sounding**	■ -5' to -10'	☆ Beacon, General	■ -10' to -20'
— As-built Pipeline/Cable	⊗ Anchorage Area	☆ Beacon, General	■ -20' to -30'	◆ Red Navigation Buoy	■ -30' to -35'
⋯ Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -35' to -40'	◆ Green Navigation Buoy	■ -40' to 45'
— Project Depth Contour	✈ Wrecks-Submerged	◆ Green Navigation Buoy	■ -45' and below		■ -45' 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:
 Soundings are shown in feet and indicate depths below Low Water Reference Plane 2007 (NGVD).
 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 and USACE crew.
 2010 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.
 Reference is N.O.A. Navigation Chart No. 11370.
 ** 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 (20 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.

LWRP: 1.5
 Gage Reading: BR:19.3D:11.8 USED:12.8 NGVD
 Sea Conditions: CALM
 Vessel Name: LAFOURCHE
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

Feet
 0 500 1,000 1,500 2,000 2,500



ACCESS NOTES:
 Access Conditions: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that they are not to be used for any purpose other than that for which they were prepared. The user is responsible for the results, reliability, usability or suitability for any particular purpose of the data. The user is responsible for the results, reliability, usability or suitability for any particular purpose of the data. The user is responsible for the results, reliability, usability or suitability for any particular purpose of the data. The user is responsible for the results, reliability, usability or suitability for any particular purpose of the data.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted: _____	Surveyed By: SR,JH
Recommended: _____	Plotted By: AO
Approved: _____	Checked By: AO

**MISSISSIPPI RIVER - B.R. TO GULF
 PHILADELPHIA POINT RECON
 MR_19_PHP_20170104
 04 January 2017**

**Sheet
 Reference
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