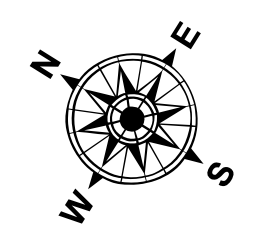
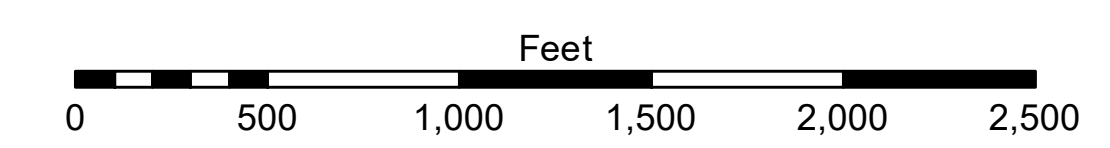


LEGEND

- - - 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: 2.9 MLLW @ PILOT TOWN @ 0940
 Sea Conditions: CALM
 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' NAVD86 = -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 bathymeter settings.



DISTRICT NOTICE
 The information depicted on this map represents the results of the hydrographic survey data which were collected in accordance with the hydrographic survey procedures approved by the Army Corps of Engineers. The user is responsible for the results, accuracy, reliability, usability, or suitability for any particular purpose of the information depicted on this map. The user is advised that the data depicted on this map were collected for the purpose of navigation and are not to be used for any other purpose.
 Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging activities, sediment transport, channel shifting, and other factors. The Army Corps of Engineers accepts no responsibility for changes in the hydrographic conditions which develop after the date of the hydrographic survey. Product users should not rely solely on this information to represent the general condition existing at that time.

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

**MISSISSIPPI RIVER - B. R. TO GULF
 PILOT TOWN ANCHORAGE
 SW_00_PTA_20190715_CS
 15 July 2019**