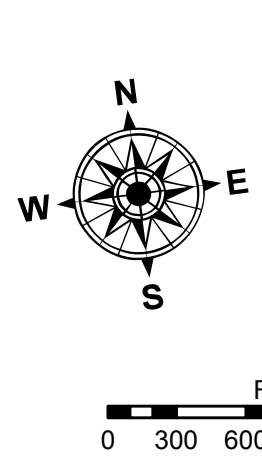


LEGEND	
Federal Navigation Channel	Cable Area
Federal Navigation Center Line	Placement Area
As-built Pipeline/Cable	Anchorage Area
Unconfirmed Pipeline/Cable	Obstruction Point
Project Depth Contour	Wrecks-Submerged
Shoaling Area	0' and above
Shoalest Sounding**	0' to -5'
Beacon, General	-9' and below
Red Navigation Buoy	
Green Navigation Buoy	



LWRP: 12.1
 Gage Reading: RR:31.8BR:15.6 USED:30.2 NGVD
 Sea Conditions: CALM
 Vessel Name: M/V OB189
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

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 (NAVD).
 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.
 2015 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.
 Reference is USACE IENC U35LM236.
 *** 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.



ACCESSORIES: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not warranted for any particular purpose of the recipient. The user is responsible for the results. The application of the data for other than its intended purpose is at the user's risk. The user is responsible for the results. The application of the data for other than its intended purpose is at the user's risk. The user is responsible for the results. The application of the data for other than its intended purpose is at the user's risk.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: RYLAND/HOSHMAN	Plotted By: AO
Recommended:	Checked By: AO	Checked By: AO
Approved:	Chief, Survey Section	Chief, Waterways Maintenance Section

**MISSISSIPPI RIVER - SHALLOW DRAFT
 SMITHLAND - SHEET 3
 MS_11_SM3_20200820_CS
 20 August 2020**

**Sheet Reference Number
 11 of 39**