



LEGEND

Federal Navigation Channel	Cable Area	Shoaling Area	0' to -5'
Federal Navigation Center Line	Placement Area	Shoalest Sounding**	-5' to -10'
As-built Pipeline/Cable	Anchorage Area	Beacon, General	-10' to -20'
Unconfirmed Pipeline/Cable	Obstruction Point	Red Navigation Buoy	-20' to -30'
Project Depth Contour	Wrecks-Submerged	Green Navigation Buoy	-30' to -35'
			-35' to -40'
			-40' to 45'
			-45' and below

LWRP: 0.9
 Gage Reading: R:8.5 NO:5.9 USED: 7.5 NAVD
 Sea Conditions: CALM
 Vessel Name: OB-189
 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.
 2017 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.



DISCLAIMER:
 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, or implied concerning the accuracy, completeness, reliability, usability or suitability, for any particular purpose of the recipient. The user is responsible for the results of the application of the data for other than its intended purpose.
 Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrological conditions when developed after the date of the survey. The US Army Corps of Engineers accepts no responsibility for changes in the hydrological conditions when developed after the date of the survey. Product maintainers should not rely solely upon it.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted: RY-LAND/SOUKI	Surveyed By: RY-LAND/SOUKI
Recommended: Chief, Survey Section	Plotted By: BD
Approved: Chief, Waterways Maintenance Section	Checked By: AC

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HANVILLE
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