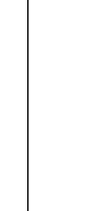
**LEGEND**

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- Borrow Area
- Shoalest Sounding**
- ★ Beacon, General
- ◆ Red Navigation Buoy
- ◆ Green Navigation Buoy

- 0' and above
0' to -5'
-5' to -10'
-10' to -20'
-20' to -30'
-30' to -35'
-35' to -40'
-40' to -45'
-45' and below

LWRP: 1.7
Gage Reading: BR:31.41 D:21.76 USED:24.5 NGVD
Sea Conditions: SLIGHTLY CHOPPY
Vessel Name: OB-189
Survey Type: CONDITION
Sounding Frequency***: HIGH



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

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.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.

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Reference
Number
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Revision Number:
3.8-20150202

MISSISSIPPI RIVER - B.R. TO GULF
ALHAMBRA RECON
MR_16_ALH_20160516
16 May 2016

US Army Corps
of Engineers
District: CEMVN

DISTRIBUTION LIABILITY: The data represents the results of data collection processing by a specific US Army Corps of Engineers activity and includes the general existing conditions as such. The United States Government makes no warranties, expressed or implied, concerning the accuracy of the data. The user is responsible for the results of its application of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging activities and natural shoaling and scouring processes. The data is provided "as is" and is not guaranteed to be current. The user is responsible for the results of its application of the data for other than its intended purpose.

The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to depict the general conditions existing at that time.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT
Survived By: DS_IH
Submitted: _____
Printed By: BTI
Recommended: Chief Survey Section
Approved: Chief Waterways Maintenance Section