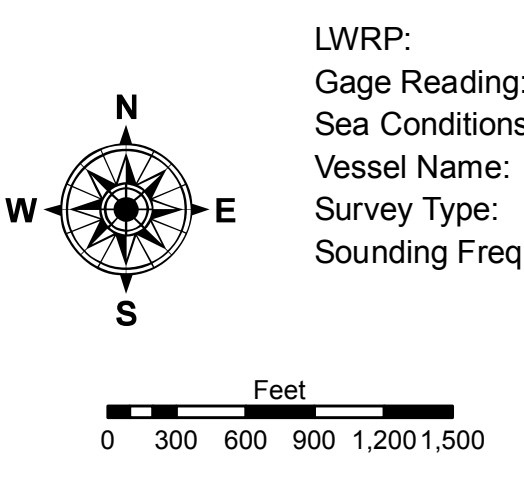


LEGEND

--- Federal Navigation Channel	○ Cable Area	■ Shoaling Area	■ 0' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ 0' to -5'
— As-built Pipeline/Cable	□ Anchorage Area	☆ Beacon, General	■ -5' to -9'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	□ -9' and below
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	



LWRP: 6.7
 Gage Reading: BR:29.85 RR:47.73 USED:38.6 NGVD
 Sea Conditions: ROUGH
 Vessel Name: M/V 189
 Survey Type: CONTROL
 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 (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 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.



DISCLAIMER: The data represented on this map is the result of data collection for a specific project. The user is responsible for the accuracy, reliability, and use of the data for any purpose other than that for which it was collected. The user is responsible for the accuracy, reliability, and use of the data for any purpose other than that for which it was collected. The user is responsible for the accuracy, reliability, and use of the data for any purpose other than that for which it was collected.

Submitted:	SR, JH
Recommended:	BT, JD
Approved:	MSK

MISSISSIPPI RIVER - SHALLOW DRAFT
 BAYOU SARA
 MS_24_BYS_20160309
 09 March 2016

Sheet Reference Number
 24 of 39

Revision Number:
 3.8-20150202