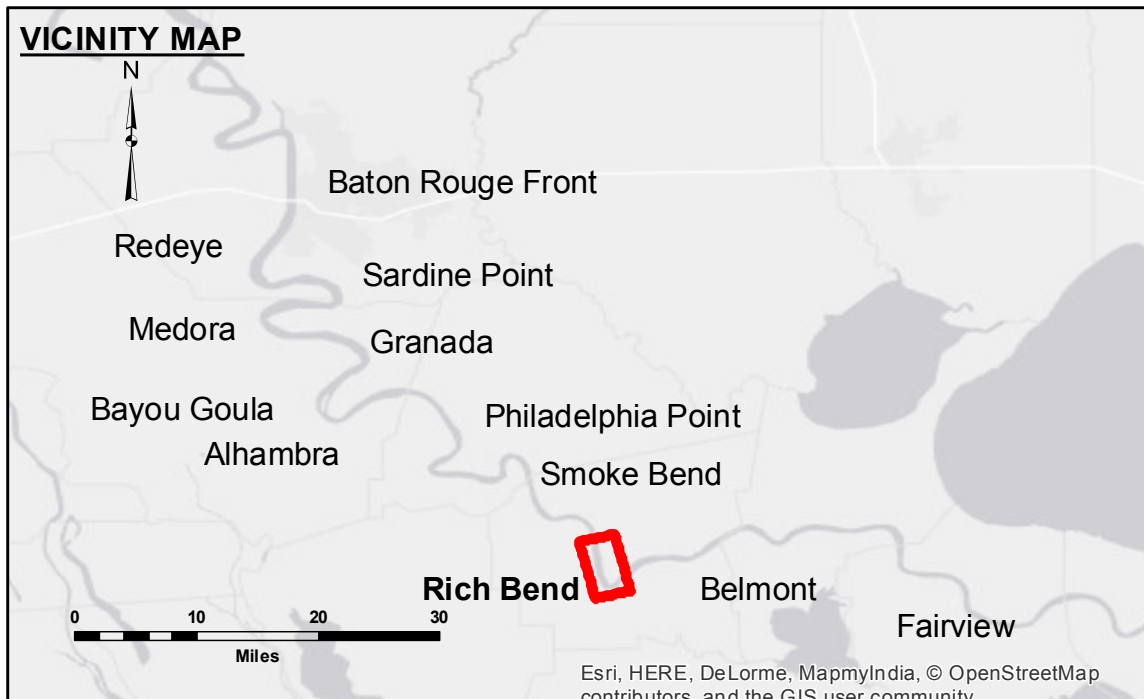


ACCESS NOTES
Access Restricted: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are for the use of the recipient only and are not to be used for any other purpose. The user is responsible for the reliability, usability or suitability for any particular purpose of the data. The user is responsible for the accuracy, completeness, and timeliness of the data. The user is responsible for the application of the data for other than its intended purpose. The application of the data for other than its intended purpose may result in the user's liability for damages, including those resulting from the use of the data for purposes not intended by the Army Corps of Engineers. The Army Corps of Engineers does not assume any liability for the use of the data for purposes not intended by the Army Corps of Engineers. The information depicted on this map represents the results of a survey conducted on the date indicated. The information is considered to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	
Recommended:	Chief Survey Section
Approved:	Chief Waterways Maintenance Section
Surveyed By:	SPPM
Plotted By:	BITD
Checked By:	MSK

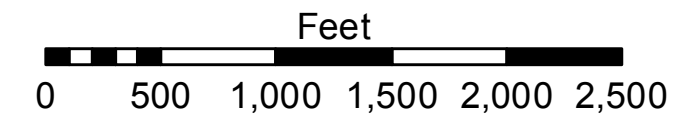
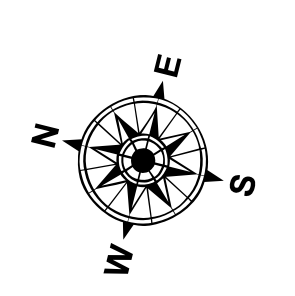
**MISSISSIPPI RIVER - B.R. TO GULF
RICH BEND RECON
MR_29_RIB_20160315
15 March 2016**

**Sheet Reference Number
29 of 97**



LEGEND

- - - Federal Navigation Channel	○ Cable Area	□ Borrow 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 -10'
⋯ Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -10' to -20'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -20' to -30'
			■ -30' to -35'
			■ -35' to -40'
			■ -40' to -45'
			■ -45' and below



LWRP: 1.3
Gage Reading: D:25.5 R:19.6 USED:22.8NGVD
Sea Conditions: CALM
Vessel Name: OB-167
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 (NGVD).
Distances on the Mississippi River, above and below Head of Passes are shown at 1 mile intervals.
The location of navigation aids are based 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 bathymeter settings.