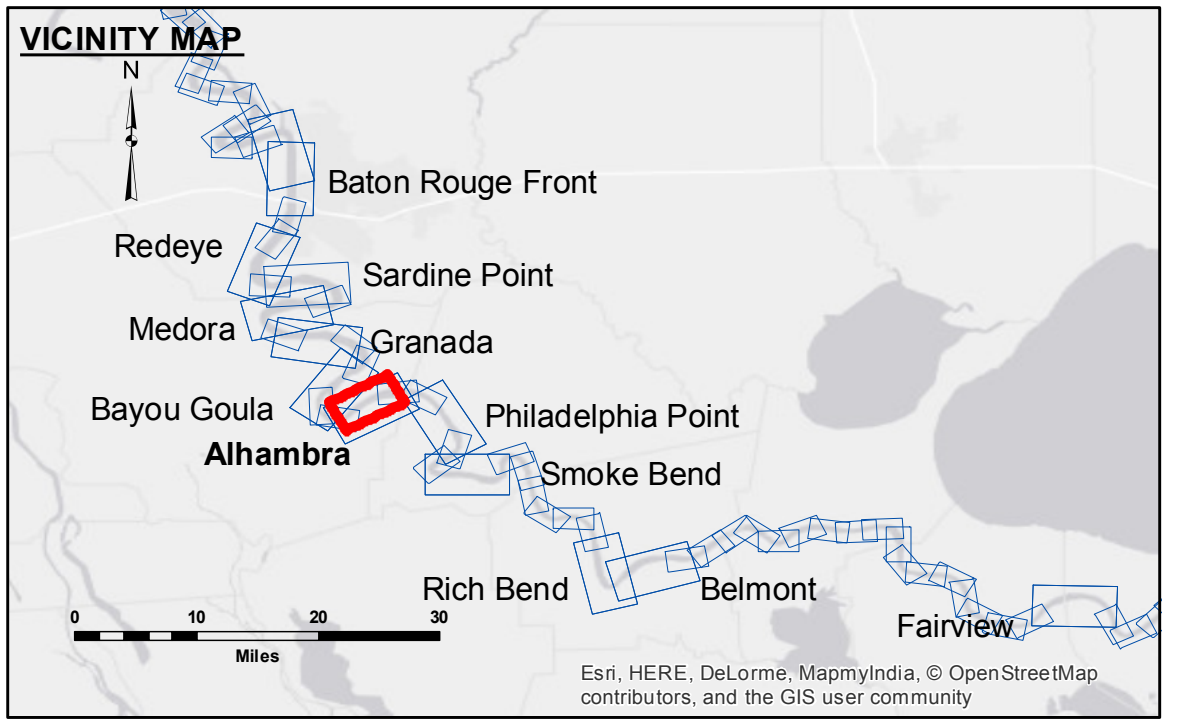


DISCLAIMER: The data represented on this map is the result of data collection for a specific project. The user is responsible for the results of the data and its use. The user is responsible for the results of the data and its use. The user is responsible for the results of the data and its use. The user is responsible for the results of the data and its use.

Submitted:	Surveyed By: PS/DS
Recommended: Chief, Survey Section	Plotted By: AO
Approved: Chief, Waterways Maintenance Section	Checked By: MK

MISSISSIPPI RIVER - B.R. TO GULF ALHAMBRA RECON
MR_16_ALH_20160411
11 April 2016



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
□ Borrow Area	★ Beacon, General
● Shoalest Sounding**	◆ Red Navigation Buoy
☆ Beacon, General	◆ Green Navigation Buoy
◆ Red Navigation Buoy	0' and above
◆ Green Navigation Buoy	0' to -5'
	-5' to -10'
	-10' to -20'
	-20' to -30'
	-30' to -35'
	-35' to -40'
	-40' to -45'
	-45' and below

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. 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.

LWRP: 1.7
 Gage Reading: BR:31.8D:22.2 USED:24.9 NGVD
 Sea Conditions: ROUGH
 Vessel Name: OB-189
 Survey Type: RECON
 Sounding Frequency***: HIGH

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