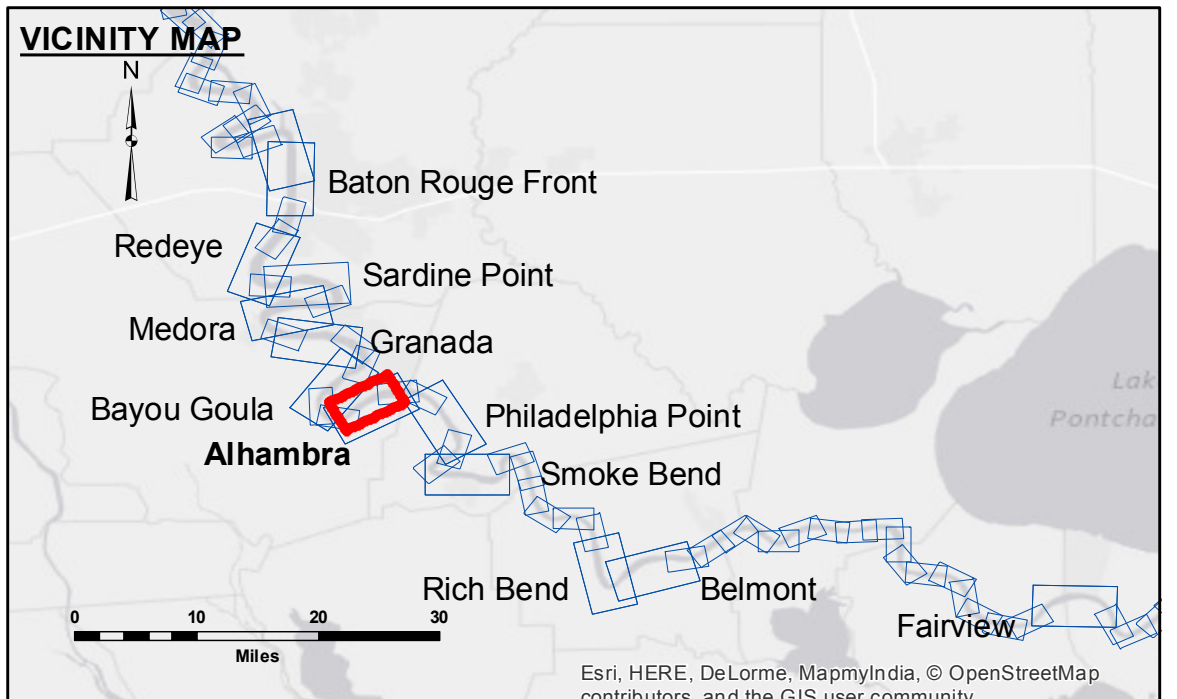


**Accession:** The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the Government makes no warranty, either expressed or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the information. The user is responsible for the results. The user shall indemnify, defend and hold the United States Government harmless from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, that may be incurred by the United States Government as a result of the use of the information. The information depicted on this map represents the results of a survey conducted by the United States Army Corps of Engineers and is not to be used for any purpose other than that for which it was intended. The user shall not transfer, disseminate, or otherwise use these data to others without the written consent of the United States Army Corps of Engineers. The user shall not be held responsible for any errors or omissions in these data or for any consequences arising from the use of these data. The information depicted on this map represents the results of a survey conducted by the United States Army Corps of Engineers and is not to be used for any purpose other than that for which it was intended. The user shall not transfer, disseminate, or otherwise use these data to others without the written consent of the United States Army Corps of Engineers. The user shall not be held responsible for any errors or omissions in these data or for any consequences arising from the use of these data.

|  |                        |
|--|------------------------|
| U.S. ARMY CORPS OF ENGINEERS<br>NEW ORLEANS DISTRICT |                        |
| Submitted:   | Surveyed By:<br>DR-JJA |
| Recommended:<br>Chief, Survey Section                | Plotted By:<br>BTD     |
| Approved:<br>Chief, Waterways Maintenance Section    | Checked By:<br>MSK     |

**MISSISSIPPI RIVER - B.R. TO GULF  
ALHAMBRA RECON  
MR\_16\_ALH\_20160204  
04 February 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 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. 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.

LWRP: 1.7  
Gage Reading: BR:34.75 D:24.73 USED:27.60 NGVD  
Sea Conditions: CALM  
Vessel Name: OB-189  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

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