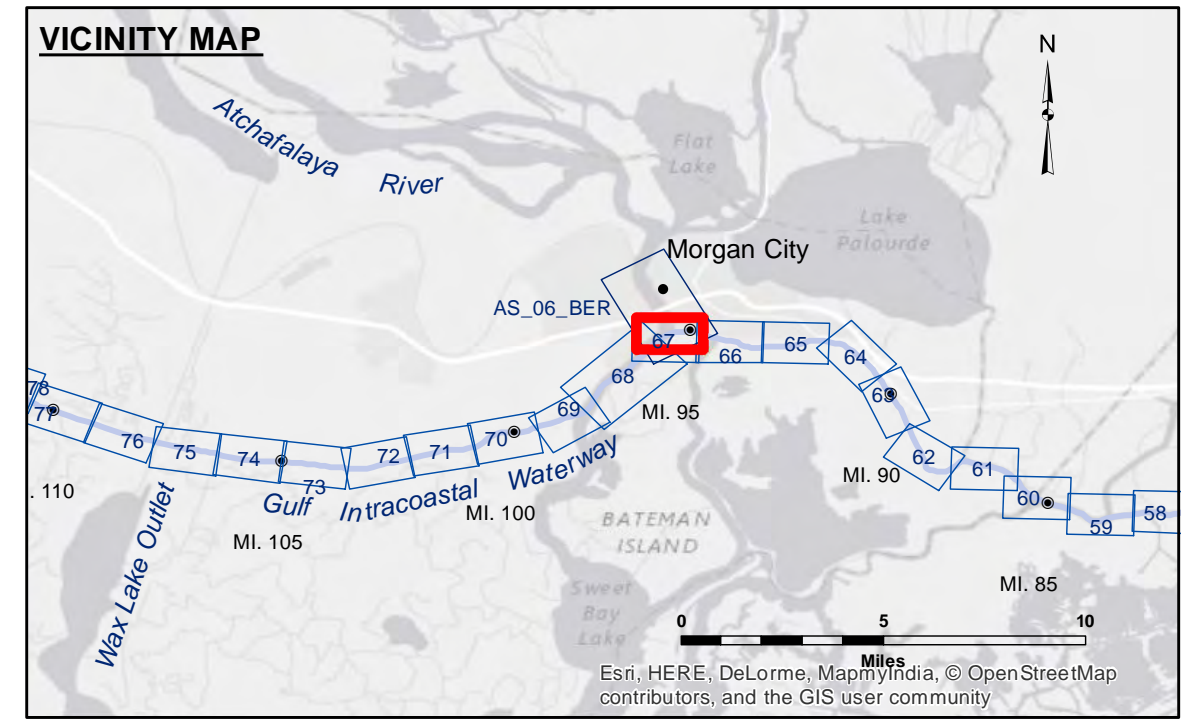


DISCLAIMER: The data represents the results of data collection performed for a specific US Army Corps of Engineers project and is not intended for use in any other project. The user is responsible for the accuracy, completeness, and reliability of the data for its intended use. The user is advised to verify the data for its intended use. The user is advised to verify the data for its intended use. The user is advised to verify the data for its intended use.

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|--|-------------------------|--|
| U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT | | |
| Submitted: | Surveyed By: DR, PPS | Plotted By: ATO |
| Recommended: Chief Survey Section | Checked By: RM | Approved: Chief Waterways Maintenance Section |



| LEGEND | | | |
|----------------------------------|---------------------|-------------------------|------------------|
| --- Federal Navigation Channel | ○ Cable Area | □ Borrow Area | ■ -12' and above |
| — Federal Navigation Center Line | □ Placement Area | ● Shoalest Sounding** | □ -12' and below |
| — As-built Pipeline/Cable | □ Anchorage Area | ★ Beacon, General | |
| Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy | |
| — Project Depth Contour | ⚓ Wrecks-Submerged | ◆ Green Navigation Buoy | |

North Arrow
Scale: 0, 500, 1,000 Feet
Gage Reading: MORGAN CITY: 6.5 MLG
Sea Conditions: CALM
Vessel Name: M/V OB 189
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 Mean Low Gulf Datum (MLG). Datum Relationships for Lower Atchafalaya River at Morgan City (03780) as of May 2014: 0.0' NAVD83 (2009.55) = 2.05' MLG.
 The location of navigation aids are based on and provided by the U.S. Coast Guard.
 2010 Aerial Photography data source: NAIP, 1998 DOQQ imagery shown in green from USGS.
 Reference is N.O.A.A. Navigation Chart No. 11355.
 ** 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.

GULF INTRACOASTAL WATERWAY
20 GRAND POINT
GW_67_BBW_20150506
06 May 2015

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