

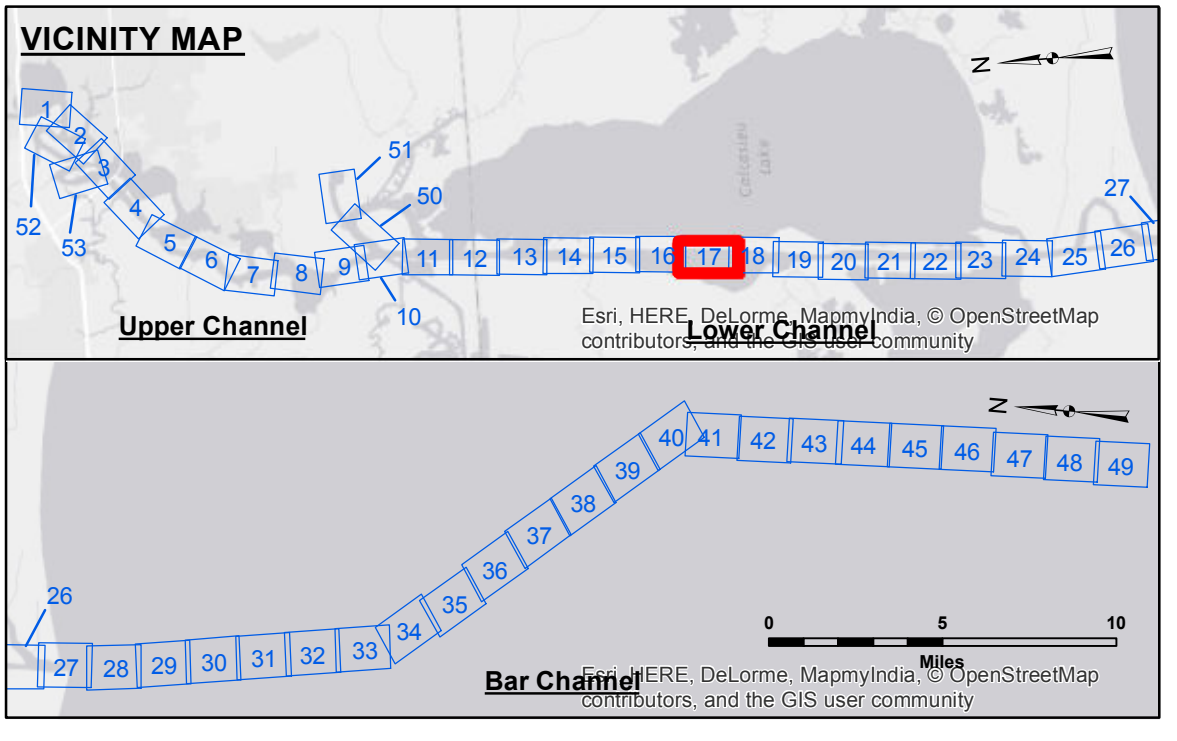
Access/Use: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are for informational purposes only. It is not to be used for any purpose other than that for which it was prepared, or implied concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the recipient. The user is responsible for the results obtained from the use of these data. The user shall be held responsible for any damage or injury resulting from the use of these data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing bathymetry, sedimentation, and other factors. The user is advised that the data shown on this chart are based on the most current data available to the U.S. Army Corps of Engineers at the time of publication. The user is advised that the data shown on this chart are based on the most current data available to the U.S. Army Corps of Engineers at the time of publication. The user is advised that the data shown on this chart are based on the most current data available to the U.S. Army Corps of Engineers at the time of publication.

Submitted:	Surveyed By: SP, PM
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Approved:	Checked By: TAF

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

**CALCASIEU SHIP CHANNEL
LOWER SHEET 17
CR_17_LWR_20150430
30 April 2015**



LEGEND

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- ⊗ Obstruction Point
- ✈ Wrecks-Submerged
- Borrow Area
- Shoalest Sounding**
- ★ Beacon, General
- ◆ Red Navigation Buoy
- ◇ Green Navigation Buoy

Color Key for Depth Contours:

- Red: -15' and above
- Orange: -15' to -20'
- Yellow: -20' to -25'
- Light Green: -25' to -32'
- Green: -32' to -38'
- Dark Green: -38' to -40'
- Blue-Green: -40' to -42'
- Blue: -42' and below

Gage Reading: DM 72: 3.00 MLG
Sea Conditions: cALM
Vessel Name: OB-167
Survey Type: CONDITION
Sounding Frequency***: LOW

Vertical Datum: Soundings are shown in feet and indicate depths below Mean Low Gull Datum (MLG). Datum Relationships for gage 73615 as of December 2013: 0.0' NAVD83 (2009.55) = 1.1' MLLW = 2.1' MLG or 0.0' MLLW = 1.0' MLG

Distances on the Calcasieu River are shown at 1 mile intervals.

The location of navigation aids are based on and provided by the U.S. Coast Guard and USACE survey crews.

2010 Aerial Photography data source: NAIP

Reference is N.O.A.A. Navigation Chart No. 11339.

** 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.

**Sheet Reference Number
17 of 53**

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