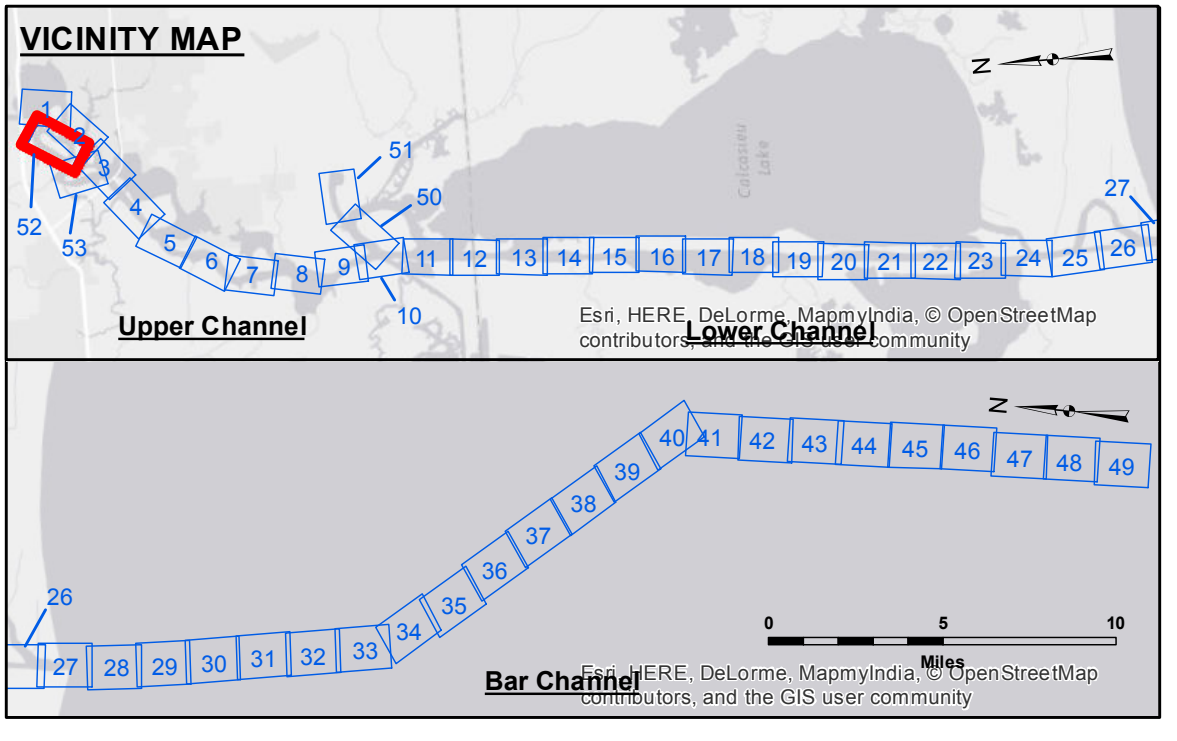


DISCLAIMER
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Submitted:	Surveyed By: JH/SPS
Recommender:	Plotted By: ATO
Checked By: TF	Approved By: [Signature]

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT
 Chief, Waterways Maintenance Section

**CALCASIEU SHIP CHANNEL
 CLOONEY ISLAND
 CR_52 CLL_20150114
 14 January 2015**



LEGEND

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -15' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -15' to -20'
— As-built Pipeline/Cable	⊗ Anchorage Area	☆ Beacon, General	■ -20' to -25'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -25' to -32'
— Project Depth Contour	⊗ Wrecks-Submerged	◆ Green Navigation Buoy	■ -32' to -38'
			■ -38' to -40'
			■ -40' to -42'
			■ -42' and below

Gage Reading: LAKE CHARLES: 1.3 MLG AVG
 Sea Conditions: CALM
 Vessel Name: M/V LAFORUCHE
 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 73550 as of December 2013:
 0.0' NAVD83 (OPUS 2010) = 0.6' MLW = -1.6' MLG or 0.0' MLW = 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
 52 of 53**

Revision Number:
 3.6-1-20140429