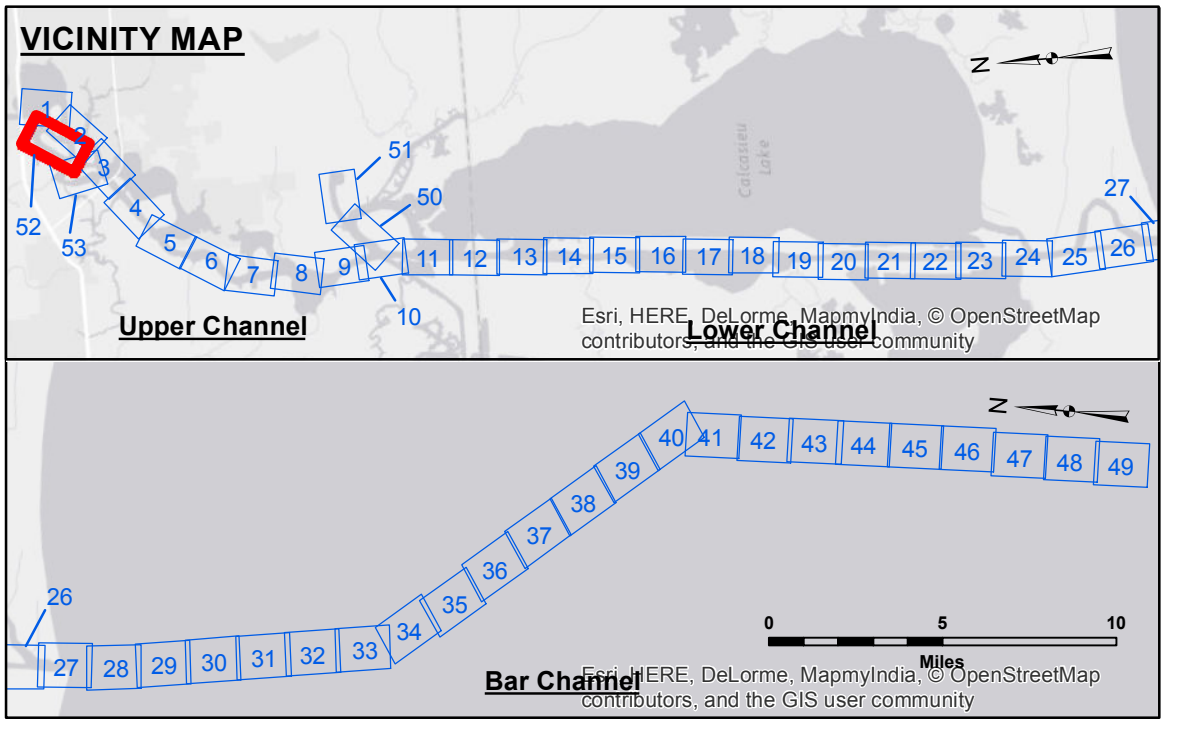


DISTRIBUTION STATEMENT
 Distribution Statement: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of their use. The user's application of the data for other than its intended purpose is not supported. Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, sedimentation, and other factors. The user is responsible for the results of their use of the data. The user is not responsible for changes in the hydrographic conditions which develop after the date of the survey. The information depicted on the map represents the results of a survey conducted under the authority of the US Army Corps of Engineers. The information is not to be used for any purpose other than that for which it was intended. The user is responsible for the results of their use of the data. The user is not responsible for changes in the hydrographic conditions which develop after the date of the survey. The information depicted on the map represents the results of a survey conducted under the authority of the US Army Corps of Engineers. The information is not to be used for any purpose other than that for which it was intended. The user is responsible for the results of their use of the data. The user is not responsible for changes in the hydrographic conditions which develop after the date of the survey.

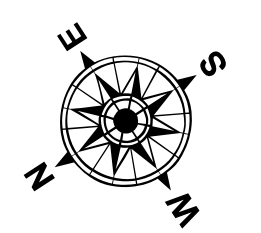
U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: SR, JH	Plotted By: BTD
Recommended:	Checked By: TAF	Approved:
Chart, Survey Section		
Chart, Waterways Maintenance Section		

**CALCASIEU SHIP CHANNEL
 CLOONEY ISLAND
 CR_52 CLL_20150729
 29 July 2015**

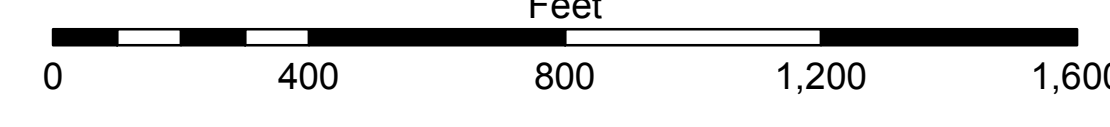


LEGEND

--- 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: 2.2 MLG
 Sea Conditions: CALM
 Vessel Name: MV TECHE
 Survey Type: CONDITION
 Sounding Frequency***: LOW



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 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. 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:
 3.8.0-20150729