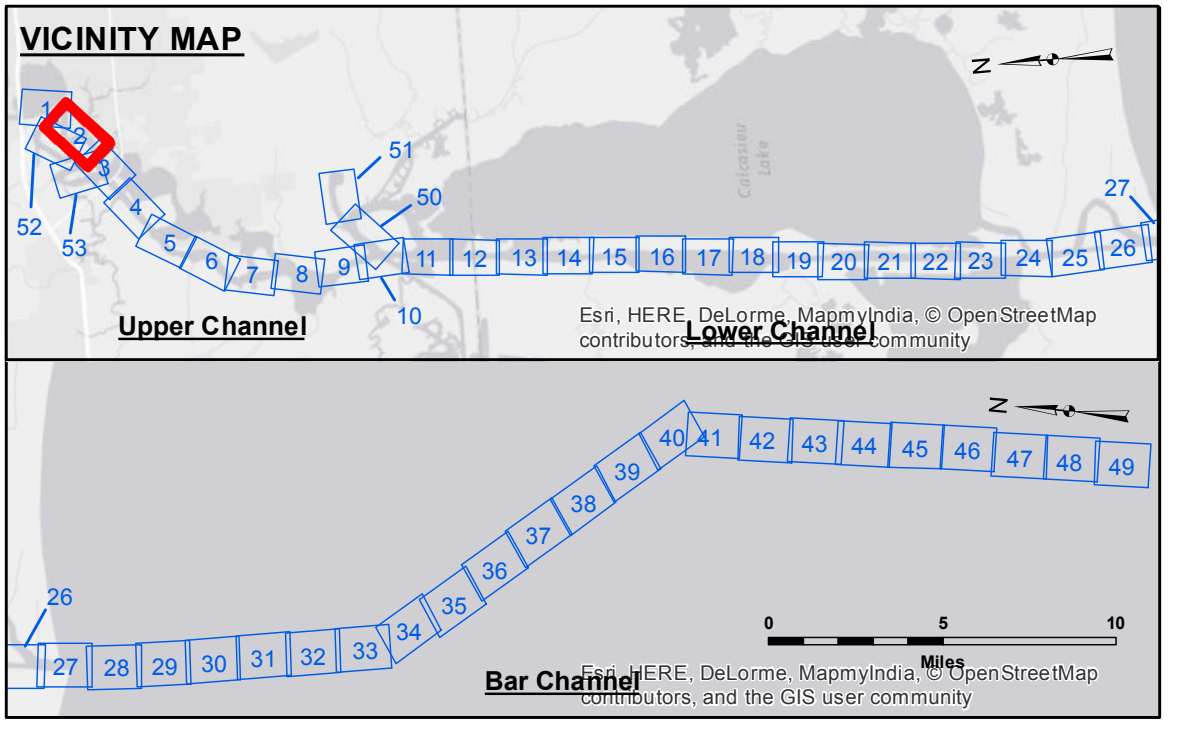


DISCLAIMER
 The information depicted on this map represents the results of a survey conducted by the United States Army Corps of Engineers. The user is responsible for the accuracy, completeness, and reliability of the information for the intended use. The user is not to be held liable for any damages or losses resulting from the use of this information. The information is provided for informational purposes only and is not to be used for any other purpose. The user is responsible for the accuracy, completeness, and reliability of the information for the intended use. The user is not to be held liable for any damages or losses resulting from the use of this information. The information is provided for informational purposes only and is not to be used for any other purpose.

Submitted:	Surveyed By:	Plotted By:	Checked By:
	ja.jh	AJO	TAF
Revised:	Chart Survey Section		
Approved:	Chief, Waterways Maintenance Section		

CALCASIEU SHIP CHANNEL
UPPER SHEET 2
CR_02_UPR_20160125
25 January 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	
◆ Green Navigation Buoy	

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 Gullf Datum (MLG). Datum Relationships for gage 73550 as of December 2013: 0.0' NAVD83 (OPUS 2010) = 0.6' MLLW = 1.6' 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.

Gage Reading: LAKE CHARLE: 1.6 MLG
 Sea Conditions: CALM
 Vessel Name: M/V TECHE
 Survey Type: CONDITION
 Sounding Frequency***: LOW

Sheet Reference Number
2 of 53

Revision Number:
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