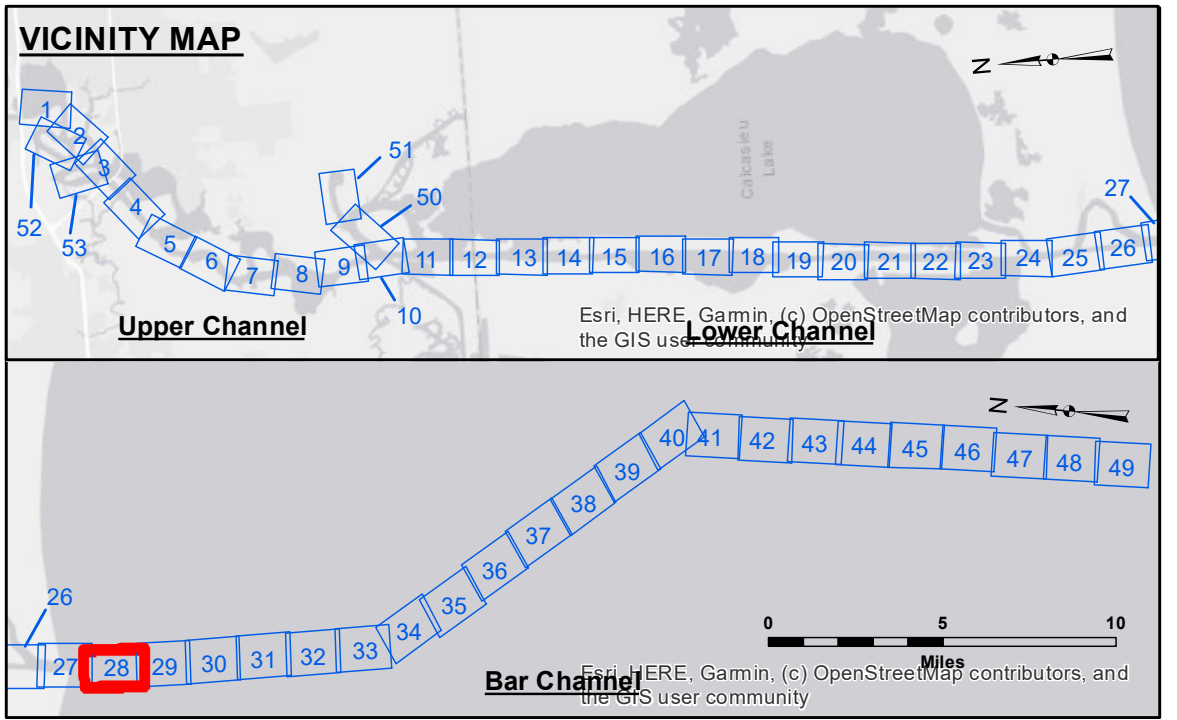


DISCLAIMER: The United States Government or furnish these data and the recipient accepts and uses them with the express understanding that the data are not warranted for any purpose other than that for which they were collected. The user is responsible for the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user shall indemnify and hold the United States Government harmless from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, under no liability whatsoever to any person by reason of any use of the data, whether or not such use was intended by the United States Government. These data are being made available to the public for informational purposes only. The information depicted on this map represents the results of a hydrographic survey conducted in accordance with the standards of the Hydrographic Surveying Manual, U.S. Army Corps of Engineers, and is not intended for navigation. The information is provided for informational purposes only. The user is responsible for the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user shall indemnify and hold the United States Government harmless from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, under no liability whatsoever to any person by reason of any use of the data, whether or not such use was intended by the United States Government.

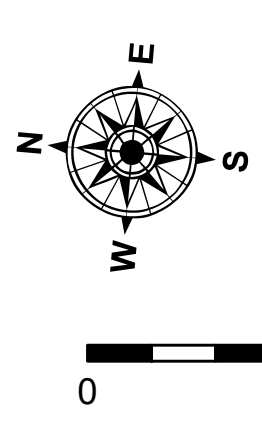
Submitted:	Surveyed By: SP,JS
Recommended:	Plotted By: JH
Approved:	Checked By: JH

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

**CALCASIEU SHIP CHANNEL
BAR SHEET 28
CR_28_BAR_20250115_CS
15 January 2025**



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
3 Fluff Thickness (feet)*	★ Beacon, General
● Shoalest Sounding**	◆ Red Navigation Buoy
★ Beacon, General	◆ Green Navigation Buoy
■ -16' and above	
■ -16' to -21'	
■ -21' to -26'	
■ -26' to -33'	
■ -33' to -39'	
■ -39' to -41'	
■ -41' to -43'	
■ -43' and below	



Gage Reading: CAMERON VRN: 0.16 MLLW AVG
 Sea Conditions: CHOP
 Vessel Name: MV TECHE
 Survey Type: CONDITION
 Sounding Frequency***: LOW

Feet
 0 400 800 1,200 1,600

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: Sounding Datum: CAMERON VRN: 0.16 MLLW AVG
 Datum Relationships for gage 73650 as of December 2013:
 0.0' NAVD88 (2009.55) = 1.3' MLLW = 2.3' 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.
 2022 Aerial Photography data source: PAR LLC
 Reference is N.O.A.A. Navigation Chart No. 11339.
 * Difference between high and low frequency elevations where greater than 1.0'.
 ** 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 bathymeter settings.

**Sheet Reference Number
28 of 53**

Revision Number:
4.2-202 (04/20)