

DISCLAIMER
 The information depicted on this map represents the results of a hydrographic survey conducted under the authority of the U.S. Army Corps of Engineers. The data was collected using a dual frequency echosounder and a GNSS receiver. The user is responsible for the accuracy of the data and for any errors or omissions. The data is provided for informational purposes only and is not intended for use as a legal document. The user is advised that the data may not be suitable for all purposes and that the user should consult the appropriate authorities for more information. The user is also advised that the data is subject to change without notice and that the user should verify the data before using it for any purpose. The user is further advised that the data is provided as is and that the Corps of Engineers does not warrant the accuracy, completeness, or reliability of the data. The user is also advised that the data is provided for informational purposes only and is not intended for use as a legal document. The user is advised that the data may not be suitable for all purposes and that the user should consult the appropriate authorities for more information. The user is also advised that the data is subject to change without notice and that the user should verify the data before using it for any purpose. The user is further advised that the data is provided as is and that the Corps of Engineers does not warrant the accuracy, completeness, or reliability of the data.

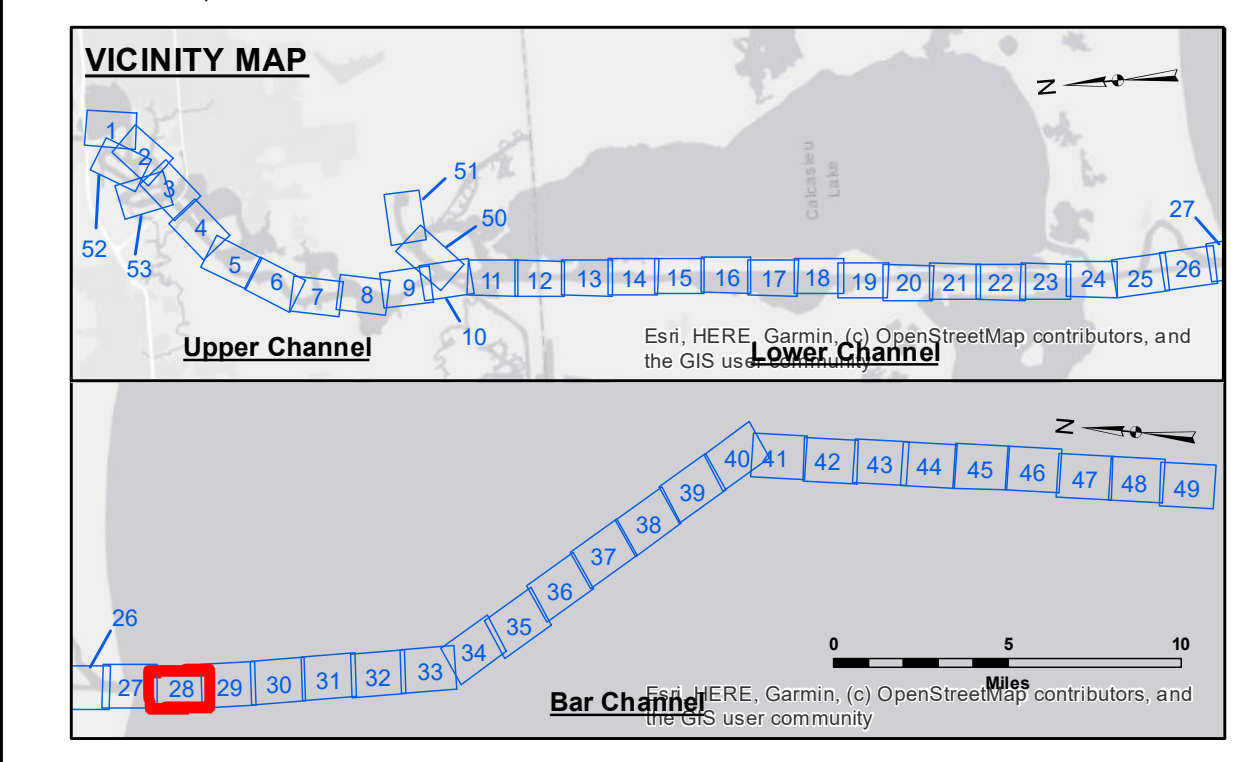
Submitted:	Surveyed By: SP,JS
Recommended:	Plotted By: AO
Approved:	Checked By: AO

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

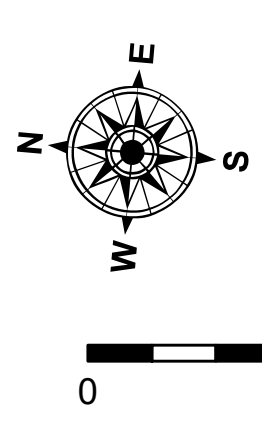
**CALCASIEU SHIP CHANNEL
 BAR SHEET 28
 CR_28_BAR_20240813_PR
 13 August 2024**

**Sheet Reference Number
 28 of 53**

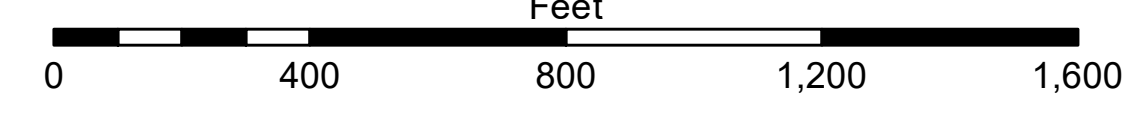
Revision Number:
 4.2-20210420



LEGEND			
- - - Federal Navigation Channel	○ Cable Area	3 Fluff Thickness (feet)*	-16' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	-16' to -21'
— As-built Pipeline/Cable	⊗ Anchorage Area	★ Beacon, General	-21' to -26'
⋯ Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	-26' to -33'
— Project Depth Contour	✈ Wrecks-Submerged	◆ Green Navigation Buoy	-33' to -39'
			-39' to -41'
			-41' to -43'
			-43' and below



Gage Reading: CAMERON VRN: 0.9 MLLW AVG
 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: CAMERON VRN: 0.9 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 fathometer settings.