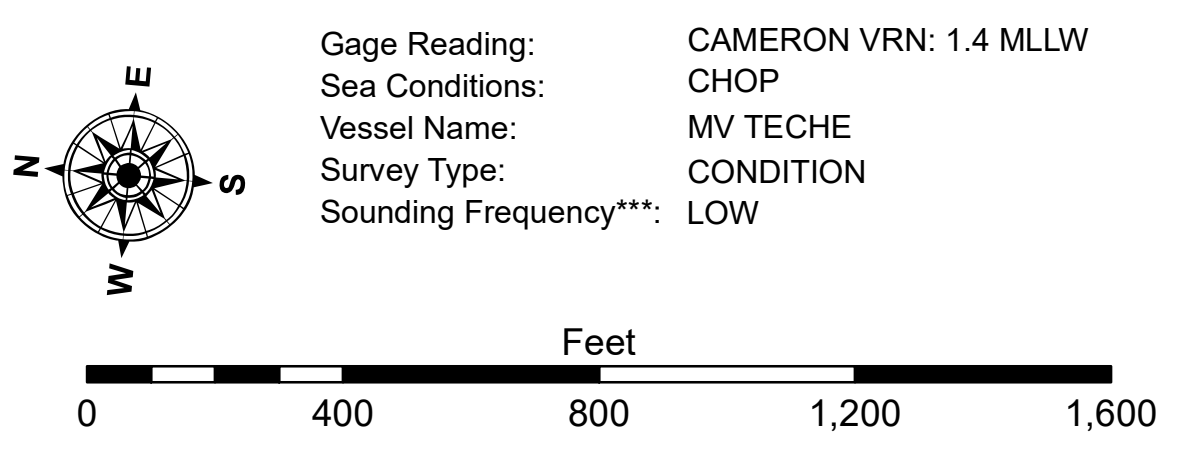


LEGEND			
--- Federal Navigation Channel	○ Cable Area	3 Fluff Thickness (feet)*	■ -16' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -16' to -21'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -21' to -26'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction 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: 1.4 MLLW  
 Sea Conditions: CHOP  
 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 Lower Low Water Datum (MLLW).  
 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.



**DISCLAIMER**  
 Access. Complainants. The United States Government furnishes 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. It is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results obtained. The user shall be held responsible for any use of the data for purposes other than those for which they were collected.  
 Distribution Liability. The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. The user is responsible for the results obtained. The user shall be held responsible for any use of the data for purposes other than those for which they were collected.  
 Data Constants. Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrographic conditions, changes in bathymetry, and changes in the hydrographic conditions which develop after the date of the survey. The user is responsible for the results obtained. The user shall be held responsible for any use of the data for purposes other than those for which they were collected.  
 Internal use. Product manuals should not rely upon it.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: SP-JS	Plotted By: AO
Recommended:	Checked By: AO	Checked By: AO
Approved:	Chief, Waterways Maintenance Section	

**CALCASIEU SHIP CHANNEL  
 BAR SHEET 28  
 CR\_28\_BAR\_20240923\_CS  
 23 September 2024**

**Sheet  
 Reference  
 Number  
 28 of 53**

Revision Number:  
 4.2-20240923