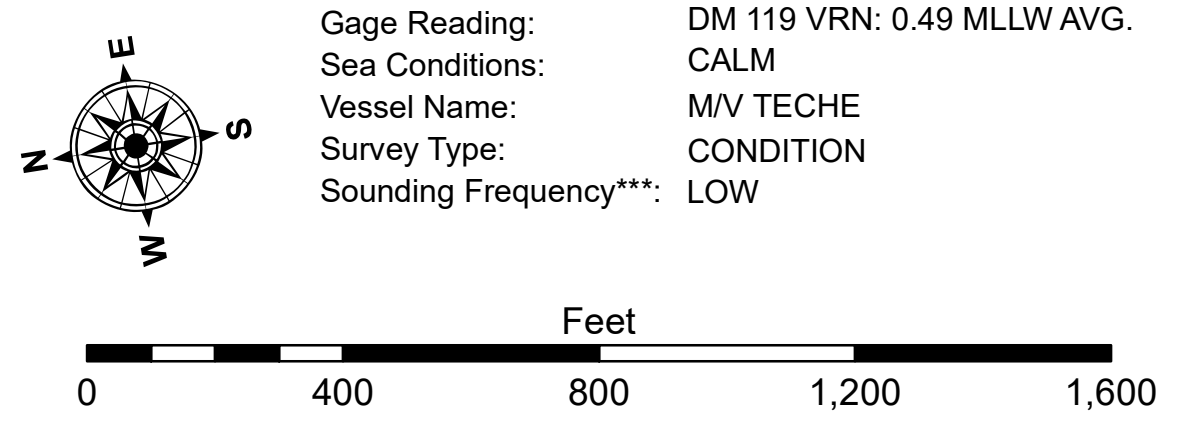


**LEGEND**

--- 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 -28'
— Project Depth Contour	⊗ Wrecks-Submerged	◆ Green Navigation Buoy	■ -28' to -34'
			■ -34' to -36'
			■ -36' to -38'
			■ -38' and below



**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 (MLLW). 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 base 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. 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**  
 The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. It is only valid for the intended use, content, time and accuracy specified. The user is responsible for the results of the survey. The Corps of Engineers does not warrant the accuracy of the data for other than the intended purpose. Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, sedimentation, and changes in the hydrographical conditions which develop after the date of the survey. The Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of the survey. The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. It is only valid for the intended use, content, time and accuracy specified. The user is responsible for the results of the survey. The Corps of Engineers does not warrant the accuracy of the data for other than the intended purpose. Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, sedimentation, and changes in the hydrographical conditions which develop after the date of the survey. The Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of the survey. The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. It is only valid for the intended use, content, time and accuracy specified. The user is responsible for the results of the survey. The Corps of Engineers does not warrant the accuracy of the data for other than the intended purpose. Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, sedimentation, and changes in the hydrographical conditions which develop after the date of the survey. The Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of the survey.

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

Submitted:	Surveyed By: SP-JS	Plotted By: BD	Checked By: ADJH
Recommended:	Chief, Survey Section		Chief, Waterways Maintenance Section

**CALCASIEU SHIP CHANNEL  
 UPPER SHEET 1  
 CR\_01\_UPR\_20250114\_CS  
 14 January 2025**

**Sheet Reference Number  
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Revision Number: 4.2-20200420