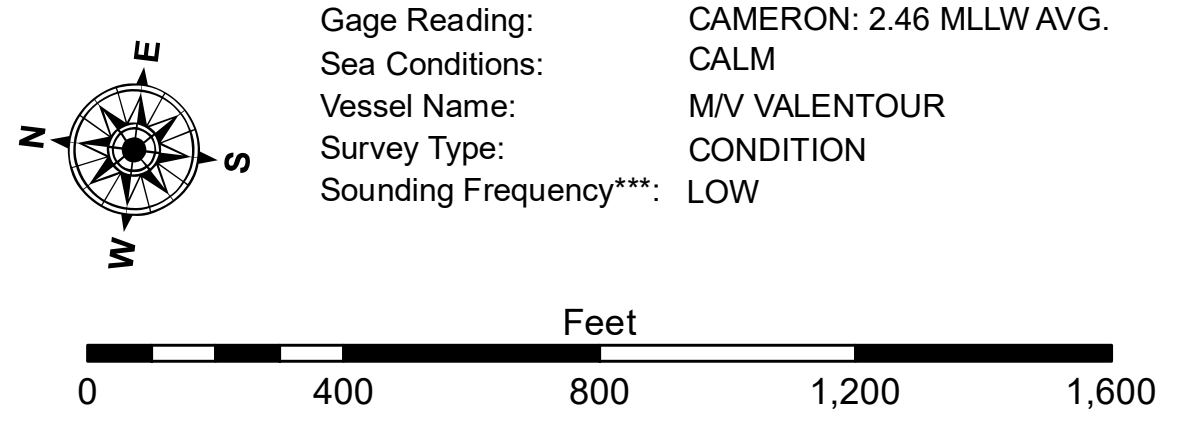


LEGEND			
	Federal Navigation Channel		3 Fluff Thickness (feet)*
	Federal Navigation Center Line		Shoalest Sounding**
	As-built Pipeline/Cable		Beacon, General
	Unconfirmed Pipeline/Cable		Red Navigation Buoy
	Project Depth Contour		Green Navigation Buoy
	Placement Area		Wrecks-Submerged
	Anchorage Area		
	Obstruction Point		



**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: 2.46 MLLW AVG.  
 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.  
 2015 Aerial Photography data source: NAIP  
 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:**  
 The information depicted on this map represents the results of a hydrographic survey conducted by the U.S. Army Corps of Engineers. The data represents the results of data collection performed by a specific US Army Corps of Engineers unit. The data is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.  
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 Distribution Liability: The data represents the results of data collection performed by a specific US Army Corps of Engineers unit. The data is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.  
 Date Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and changes in channel conditions. The U.S. Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions when developed after the date of the survey. Product maintainers should not rely solely upon this internal use.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted: RYLAND/ADAMS	Plotted By: BD
Recommended: Chief, Survey Section	Checked By: AC
Approved: Chief, Waterways Maintenance Section	

**CALCASIEU SHIP CHANNEL**  
**BAR SHEET 30**  
**CR\_30\_BAR\_20201012\_CS**  
**12 October 2020**

**Sheet Reference Number**  
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