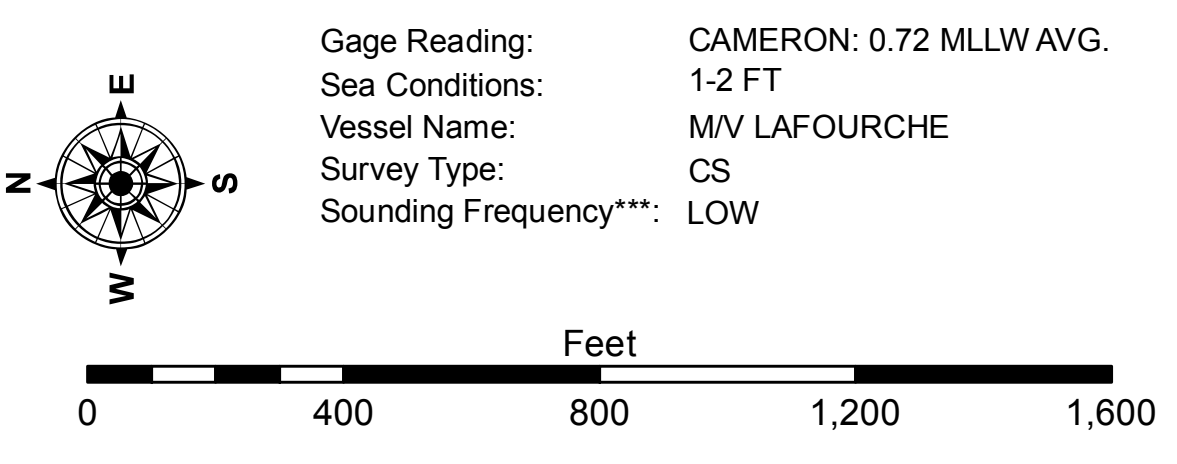


LEGEND			
	Federal Navigation Channel		3 Fluff Thickness (feet)*
	Federal Navigation Center Line		Shoalest Sounding**
	As-built Pipeline/Cable		Red Navigation Buoy
	Unconfirmed Pipeline/Cable		Green Navigation Buoy
	Project Depth Contour		Placement Area
	Cable Area		Anchorage Area
	Beacon, General		Obstruction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



NOTES:
 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.
 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:
 Distribution Liability: The data represents the results of data collection for a specific US Army Corps of Engineers project. It 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.
 Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, channel migration, and other factors. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographic conditions when developed after the date of the information depicted on this map without transferring this Disclaimer.
 The information depicted on this map represents the results of a survey conducted under the general conditions existing at that time. It is not intended to represent the general conditions existing at that time.

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

**CALCASIEU SHIP CHANNEL
 BAR SHEET 41
 CR_41_BAR_20210104_CS
 04 January 2021**

Sheet Reference Number of