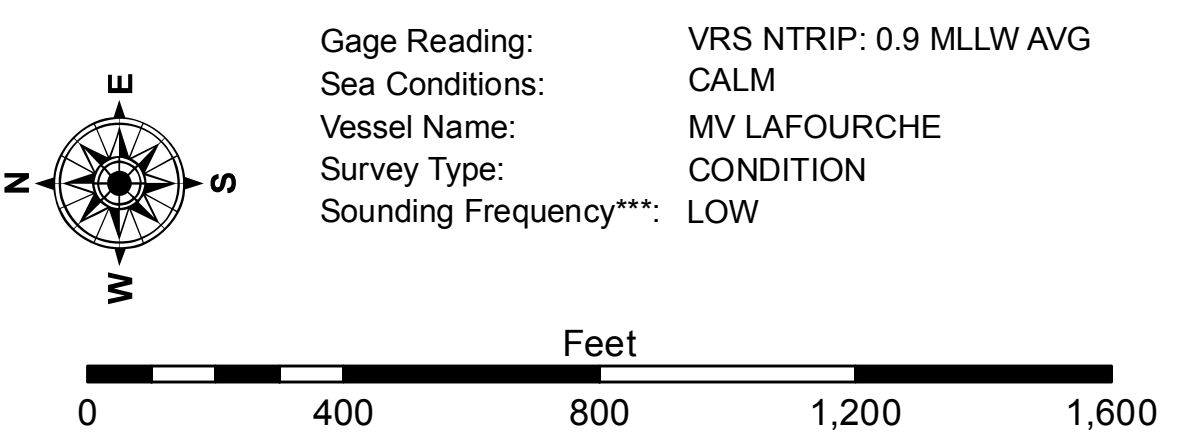


LEGEND			
	Federal Navigation Channel		Placement Area
	Federal Navigation Center Line		Obstruction Point
	As-built Pipeline/Cable		Wrecks-Submerged
	Unconfirmed Pipeline/Cable		Cable Area
	Project Depth Contour		Shoalest Sounding**
	Beacon, General		Red Navigation Buoy
	Green Navigation Buoy		Green Navigation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



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:
 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 particular purpose of the recipient, and that the data are not to be used for any purpose other than that for which they were provided. The recipient may not transfer these data to others without also transferring this disclaimer. The information depicted on this map represents the results of a hydrographic survey conducted by the United States Army Corps of Engineers. The data are not warranted for any particular purpose of the recipient, and the recipient may not transfer these data to others without also transferring this disclaimer. The information depicted on this map represents the results of a hydrographic survey conducted by the United States Army Corps of Engineers. The data are not warranted for any particular purpose of the recipient, and the recipient may not transfer these data to others without also transferring this disclaimer.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted By: SPPS	Plotted By: JH	Checked By: JH
Recommended By: Chief, Survey Section	Approved By: Chief, Waterways Maintenance Section	

**CALCASIEU SHIP CHANNEL
 BAR SHEET 47
 CR_47_BAR_20220316_CS
 16 March 2022**

**Sheet Reference Number
 47 of 53**