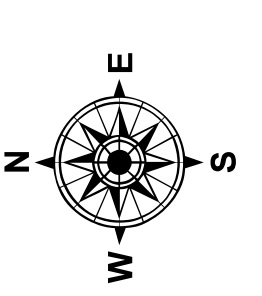
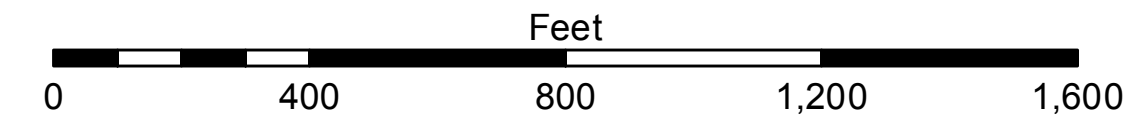


LEGEND			
	Federal Navigation Channel		Cable Area
	Federal Navigation Center Line		Placement Area
	As-built Pipeline/Cable		Anchorage Area
	Unconfirmed Pipeline/Cable		Obstruction Point
	Project Depth Contour		Wrecks-Submerged
	Fluff Thickness (feet)*		Shoalest Sounding**
	Beacon, General		Red Navigation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



Gage Reading: VRS NTRIP: 0.9 MLLW AVG  
 Sea Conditions: CALM  
 Vessel Name: MV LAFOURCHE  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: LOW



**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 base 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/processing for a specific US Army Corps of Engineers project and is only valid for its intended use. Content, time and accuracy specifications. The user is responsible for the results. 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, sedimentation, and other factors. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of the survey. Product maintainers should not rely upon this information for internal use.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: SP/PS
Recommended:	Plotted By: JH
Approved:	Checked By: JH

**CALCASIEU SHIP CHANNEL  
 BAR SHEET 49  
 CR\_49\_BAR\_20220316\_CS  
 16 March 2022**

**Sheet Reference Number  
 49 of 53**