



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
	Cable Area		-16' and above
	Placement Area		-16' to -21'
	Anchorage Area		-21' to -26'
	Obstruction Point		-26' to -33'
	Wrecks-Submerged		-33' to -39'
			-39' to -41'
			-41' to -43'
			-43' and below

Gage Reading: LAKE CHARLES: 1.15 MLLW
 Sea Conditions: CALM
 Vessel Name: MV TECHE
 Survey Type: CONDITION
 Sounding Frequency***: LOW

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 Datum (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:
 Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were prepared, and that the user is responsible for the results obtained. The user is responsible for the results obtained. The user is responsible for the results obtained. The user is responsible for the results obtained.
 Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. The data is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results obtained. The user is responsible for the results obtained. The user is responsible for the results obtained.
 Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and other factors. The user is responsible for the results obtained. The user is responsible for the results obtained. The user is responsible for the results obtained.
 The information depicted on this map represents the results of a survey conducted on the date indicated. The user is responsible for the results obtained. The user is responsible for the results obtained. The user is responsible for the results obtained.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: SP-SK	Plotted By: BD
Recommended:	Checked By: AD/JH	Approved:
Chart, Survey Section	Chief, Waterways Maintenance Section	

**CALCASIEU SHIP CHANNEL
 CLOONEY ISLAND
 CR_52_CLL_20221205_CS
 05 December 2022**

**Sheet Reference Number
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