



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

Gage Reading: CAMERON: 3.07 MLG
 Sea Conditions: 2-4'
 Vessel Name: M/V 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 Low Gulf Datum (MLG). 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:
 The information depicted on this map represents the results of a hydrographic survey conducted by the U.S. Army Corps of Engineers. The user acknowledges that the information is for informational purposes only and is not intended for navigation. The user is responsible for the accuracy, completeness, and reliability of the information. The user is advised to consult the latest editions of the U.S. Coast Guard Notices to Mariners and other navigational aids. The U.S. Army Corps of Engineers does not warrant the accuracy, completeness, or reliability of the information. The user is advised to use the information at their own risk. The U.S. Army Corps of Engineers is not responsible for any damages, claims, or liabilities arising from the use of the information. The information is provided as is, without any warranty, express or implied. The user is advised to use the information at their own risk. The U.S. Army Corps of Engineers is not responsible for any damages, claims, or liabilities arising from the use of the information. The information is provided as is, without any warranty, express or implied. The user is advised to use the information at their own risk. The U.S. Army Corps of Engineers is not responsible for any damages, claims, or liabilities arising from the use of the information.

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

**CALCASIEU SHIP CHANNEL
 BAR SHEET 36
 CR_36_BAR_20170911_CS_POSTSTORM
 11 September 2017**

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