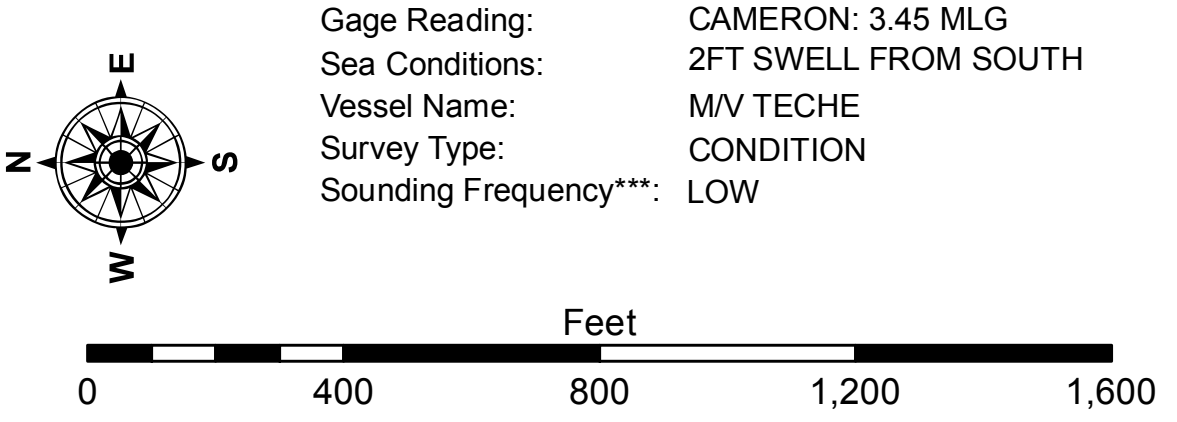


LEGEND	
--- Federal Navigation Channel	● Cable Area
— Federal Navigation Center Line	▭ Placement Area
— As-built Pipeline/Cable	▭ Anchorage Area
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	✈ Wrecks-Submerged
3 Fluff Thickness (feet)*	★ Beacon, General
● Shoalest Sounding**	♦ Red Navigation Buoy
● Green Navigation Buoy	♦ Green Navigation Buoy
■ -15' and above	
■ -15' to -20'	
■ -20' to -25'	
■ -25' to -32'	
■ -32' to -38'	
■ -38' to -40'	
■ -40' to -42'	
■ -42' and below	



Gage Reading: CAMERON: 3.45 MLG
 Sea Conditions: 2FT SWELL FROM SOUTH
 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' NAVD83 (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. 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 survey conducted by the U.S. Army Corps of Engineers. It is not intended to be used for any purpose other than that for which it was designed. The user is responsible for the results of any application of the data for other than its intended purpose.
 Distribution Liability: The data represents the results of data collection processing for a specific US Army Corps of Engineers project. The data is not intended to be used for any purpose other than that for which it was designed. 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, sedimentation, and channel migration. The user is responsible for the results of any application of the data for other than its intended purpose.
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U.S. ARMY CORPERS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted: _____	Surveyed By: DS/SR _____
Recommended: _____	Plotted By: BD _____
Approved: _____	Checked By: AC _____

CALCASIEU SHIP CHANNEL
BAR SHEET 49
CR_49_BAR_20170502_CS
02 May 2017

Sheet Reference Number
49 of 53

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