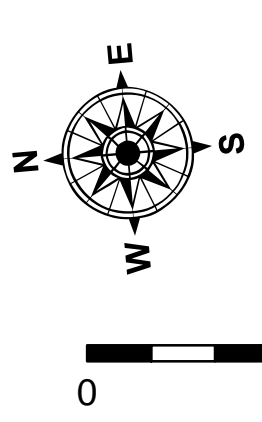


LEGEND			
--- Federal Navigation Channel	○ Cable Area	3 Fluff Thickness (feet)*	-15' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	-15' to -20'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	-20' to -25'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction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



Gage Reading: DM 72: 1.58 MLG  
 Sea Conditions: CALM  
 Vessel Name: MV TECHE  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: LOW

0 400 800 1,200 1,600  
 Feet

**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 73615 as of December 2013:  
 0.0' NAVD83 (2009.55) = 1.1' MLLW = 2.1' 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 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 purpose other than that for which they were collected, expressed, or implied concerning the accuracy, completeness, reliability, usability or availability for any particular purpose of the recipient. The user is responsible for the results of any use of the data for other than its intended purpose.  
 The information depicted on this map represents the results of a survey conducted on or about the date shown on the map. The recipient is advised that the data are not warranted for any purpose other than that for which they were collected, expressed, or implied concerning the accuracy, completeness, reliability, usability or availability for any particular purpose of the recipient. The user is responsible for the results of any use of the data for other than its intended purpose.  
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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	Surveyed By: SR-JH
Submitted:	Plotted By: BD
Recommended: Chart, Survey Section	Checked By: AC
Approved:	Chart, Waterways Maintenance Section

**CALCASIEU SHIP CHANNEL  
 LOWER SHEET 17  
 CR\_17\_LWR\_20180129\_CS  
 29 January 2018**

**Sheet Reference Number  
 17 of 53**

Revision Number:  
 1.12-20160811