



**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: CAMERON: 2.33 MLG  
 Sea Conditions: CALM  
 Vessel Name: MV TECHE  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: LOW

Vertical Datum:  
 North American Datum of 1983 (NAD83), projected to the State Plane  
 Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.  
 Datum Relationships for page 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 based 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.

**US Army Corps of Engineers**  
 District: CEMVNV

Division Liability: The data reported in this report were derived from the best available information and are not a warranty of accuracy. The user is responsible for the results of any use of the data. The user is responsible for the results of any use of the data. The user is responsible for the results of any use of the data.

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

Submitted: \_\_\_\_\_  
 Recommended: \_\_\_\_\_  
 Checked By: \_\_\_\_\_  
 Approved: \_\_\_\_\_

**CALCASIEU SHIP CHANNEL**  
 BAR SHEET 32  
 CR\_32\_BARX\_20160823  
 23 August 2016

Sheet Reference Number  
 32 of 53

Revision Number:  
 15-9-20160000

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