



LEGEND

--- Federal Navigation Channel	○ Cable Area	3 Fluff Thickness (feet)*	■ -16' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -21' to -26'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -26' to -33'
--- Unconfirmed Pipeline/Cable	□ Obstruction Point	★ Red Navigation Buoy	■ -33' to -39'
— Project Depth Contour	✶ Wrecks-Submerged	★ Green Navigation Buoy	■ -39' to -41'
			■ -41' to -43'
			■ -43' and below

Gage Reading: CAMERON: 1.25 MLLW AVG
 Sea Conditions: CALM
 Vessel Name: MV LAFOURCHE
 Survey Type: CONDITION
 Sounding Frequency***: LOW

Vertical Datum:
 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 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.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 data represents the results of a survey conducted by the U.S. Army Corps of Engineers, District of Central and Southern Louisiana, and is provided for general information only. It is not intended for use in any legal proceeding or for any other purpose. The user is responsible for the accuracy and reliability of the data. The user is advised to consult the original survey data and to verify the accuracy of the data for any specific use. The user is also advised to consult the applicable laws and regulations regarding the use of survey data.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted:	Checked By:
Recommended:	Approved:
Chief Survey Section	Chief Waterways Maintenance Section

CALCASIEU SHIP CHANNEL
 BAR SHEET 34
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