



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
★ Beacon, General	◆ Green Navigation Buoy

Gage Reading: CAMERON: 2.7 to 0.7 MLLW
 Sea Conditions: 2-3'
 Vessel Name: VALENTOUR
 Survey Type: CS
 Sounding Frequency***: HIGH

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.

Horizontal 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.

Vertical Datum:
 Soundings are shown in feet and indicate depths below Mean Lower Low Water Datum (MLLW). Datum Relationships for page 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 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 guarantee of accuracy. The user is responsible for the use of the information and for the consequences of any errors. The user is also responsible for the accuracy of the information provided to the Corps of Engineers.

Project: CALCASIEU SHIP CHANNEL BAR SHEET 36
 CR_36_BAFX_20190731_CS
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Sheet Reference Number: 36 of 53

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U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted: _____
 Checked By: _____
 Approved: _____

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