



LEGEND

- - - Federal Navigation Channel
- Cable Area
- Borrow Area
- -15' and above
- Federal Navigation Center Line
- Placement Area
- Shoalest Sounding**
- - - Unconfirmed Pipeline/Cable
- ⊗ Anchorage Area
- ★ Beacon, General
- - - Project Depth Contour
- ⊗ Obstruction Point
- ◆ Red Navigation Buoy
- ⊗ Wrecks-Submerged
- ◆ Green Navigation Buoy

Gage Reading: DM 86: 2.3 MLG AVG
 Sea Conditions: CALM
 Vessel Name: M/V LAFORCHE
 Survey Type: CONDITION
 Sounding Frequency***: LOW

Vertical Datum:
 Soundings are shown in feet and indicate depths below Mean Low Gull Datum (MLG).
 Datum Relationships for gage 73595 as of December 2013:
 0.0' NAVD83 (OPUS 2013) = 0.9' MLLW = 1.9' 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.

2010 Aerial Photography data source: NAIP
 Reference is N.O.A. Navigation Chart No. 11339.

*** 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.



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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: JH/SPS	Plotted By: AJO
Revised/Updated:	Checked By: TF	
Approved:	Chief, Waterways Maintenance Section	

**CALCASIEU SHIP CHANNEL
 LOWER SHEET 11
 CR_11_LWR_20150112
 12 January 2015**

**Sheet Reference Number
 11 of 53**