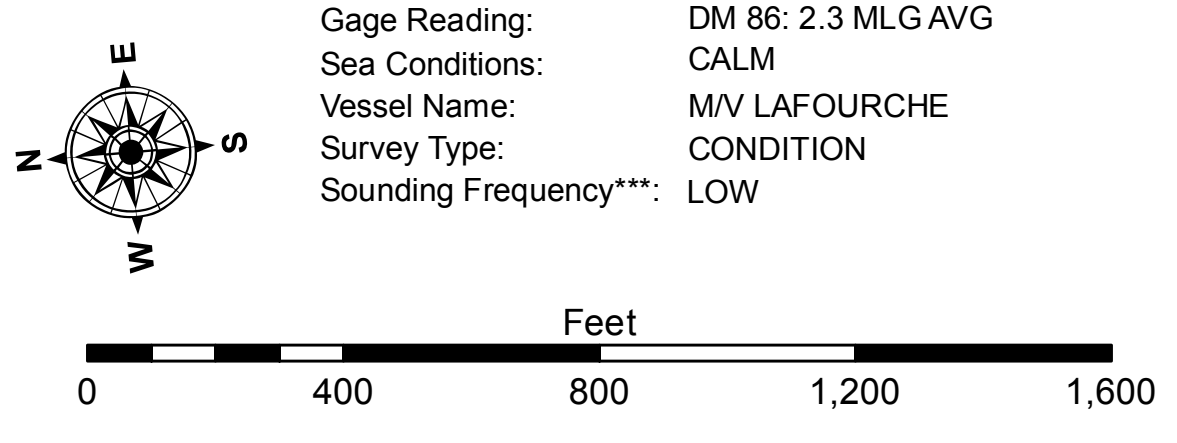


**LEGEND**

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -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



**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 73595 as of December 2013:  
0.0' NAVD83 (OPUS 2013) = 0.9' MLW = 1.9' MLG or 0.0' MLW = 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.



**DISCLAIMER:** The data represents the results of data collection for a specific project. The user is responsible for the accuracy, reliability, and completeness of the data. The user is responsible for the application of the data for other than its intended purpose. The user is responsible for the accuracy, reliability, and completeness of the data. The user is responsible for the application of the data for other than its intended purpose. The user is responsible for the accuracy, reliability, and completeness of the data. The user is responsible for the application of the data for other than its intended purpose.

Submitted:	Surveyed By: JH/SPS
Revised:	Plotted By: AIO
Approved:	Checked By: TF

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

**CALCASIEU SHIP CHANNEL  
LOWER SHEET 12  
CR\_12\_LWR\_20150112  
12 January 2015**

**Sheet Reference Number  
12 of 53**