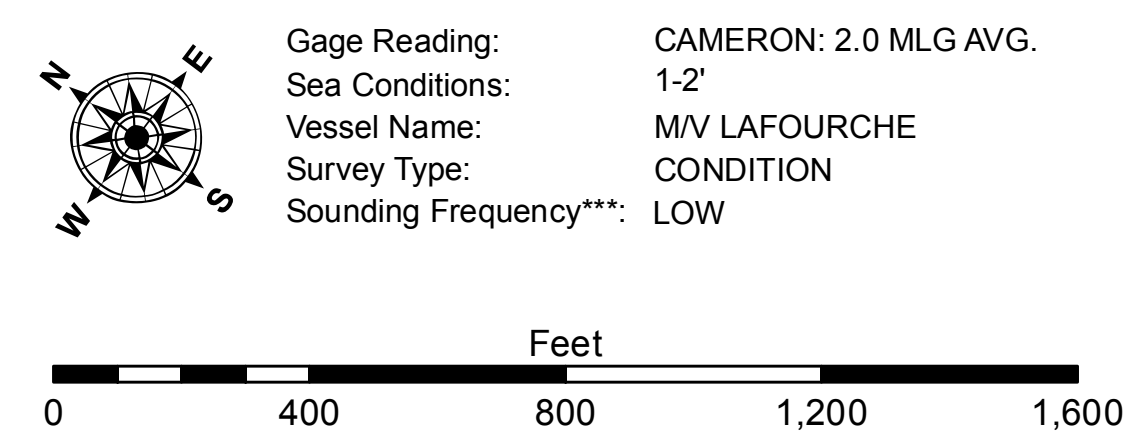


LEGEND

--- 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 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 base on and provided by the U.S. Coast Guard and USACE survey crews.
 2010 Aerial Photography data source: NAIP
 Reference is N.O.A.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:
 Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. The user is responsible for the results and accuracy of the data. Application of the data for other than its intended purpose is at the user's risk. The user is responsible for the results and accuracy of the data. Application of the data for other than its intended purpose is at the user's risk. The user is responsible for the results and accuracy of the data. Application of the data for other than its intended purpose is at the user's risk.
 Data: Constants hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and changes in the hydrographic conditions which develop after the date of the survey. The user is responsible for the results and accuracy of the data. Application of the data for other than its intended purpose is at the user's risk.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted:	Surveyed By: JHSPS
Recommended:	Plotted By: BID
Approved:	Checked By: TAF

CALCASIEU SHIP CHANNEL
BAR SHEET 36
CR_36_BAR_20150128
28 January 2015

Sheet Reference Number
36 of 53