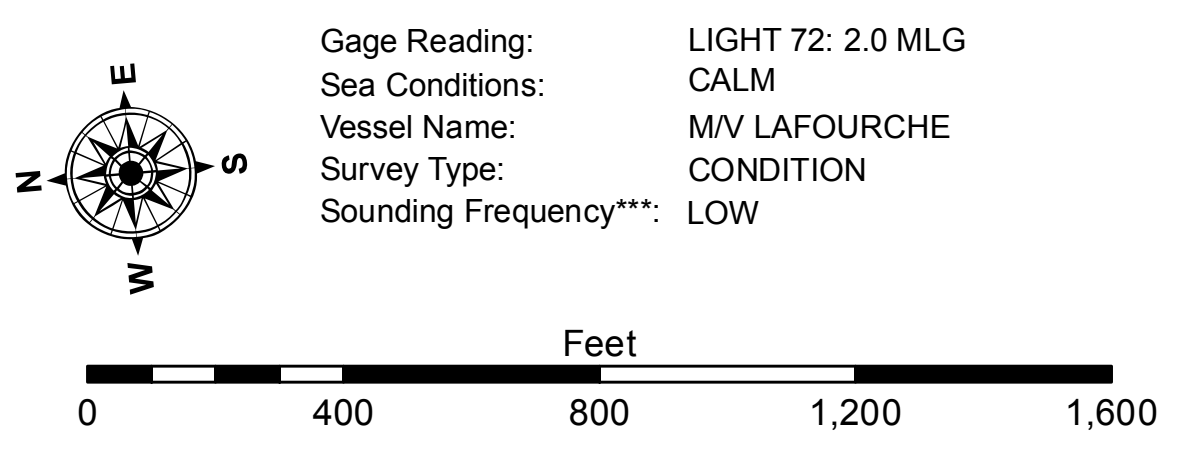


**LEGEND**

|                                  |                     |                         |                  |
|----------------------------------|---------------------|-------------------------|------------------|
| --- 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 73615 as of December 2013: 0.0' NAVD83 (2009.55) = 1.1' MLLW = 2.1' 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. It is only valid for its intended use, context, time and accuracy specifications. The user is responsible for the results. Application of the data for other than its intended purpose. Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, channel migration, and changes in the hydrographical conditions which develop after the date of the survey. The information depicted on this map represents the results of a survey and is not intended to be used for any other purpose. The Corps of Engineers does not warrant or guarantee the accuracy of the information depicted on this map. The Corps of Engineers is not responsible for any damage or loss resulting from the use of this map. The Corps of Engineers is not responsible for any damage or loss resulting from the use of this map. The Corps of Engineers is not responsible for any damage or loss resulting from the use of this map.

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

|              |                     |
|--------------|---------------------|
| Submitted:   | Surveyed By: JH_SPS |
| Recommended: | Plotted By: BID     |
| Approved:    | Checked By: TAF     |

**CALCASIEU SHIP CHANNEL  
 LOWER SHEET 17  
 CR\_17\_LWR\_20150127  
 27 January 2015**

**Sheet Reference Number  
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