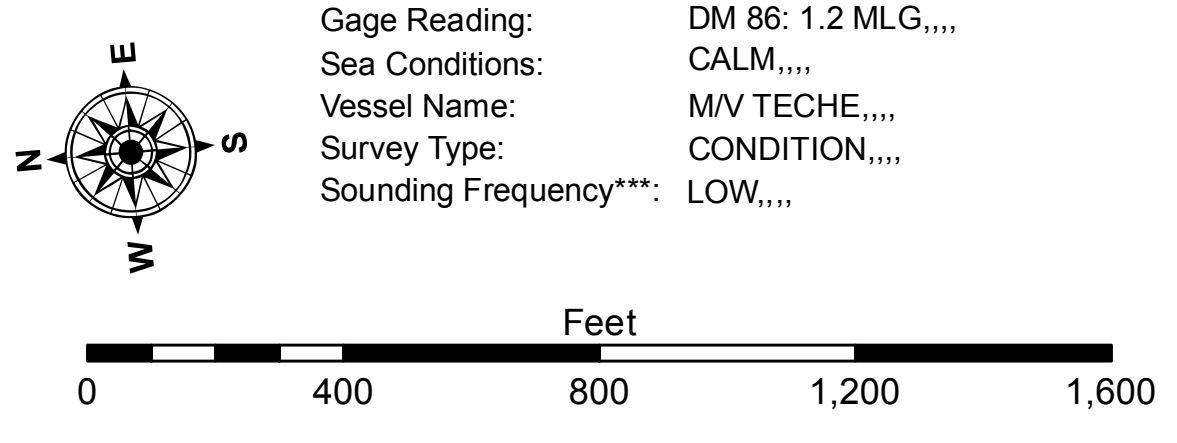


LEGEND

| | | | |
|----------------------------------|---------------------|-------------------------|------------------|
| --- 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.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 United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not warranted for any particular purpose, or implied concerning the accuracy, completeness, reliability, usability or availability for any particular purpose of the recipient. The user is responsible for the results of the use of the data. The user is responsible for the results of the use of the data for other than its intended purpose. The user is responsible for the results of the use of the data for other than its intended purpose. The user is responsible for the results of the use of the data for other than its intended purpose. The user is responsible for the results of the use of the data for other than its intended purpose.

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|--------------|-----------------------|
| Submitted: | Surveyed By: PS,JH... |
| Recommended: | Plotted By: BTD... |
| Approved: | Checked By: TAF... |

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT
 Chief, Waterways Maintenance Section

**CALCASIEU SHIP CHANNEL
 LOWER SHEET 13
 CR_13_LWR_20160225
 25 February 2016**

**Sheet Reference Number
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