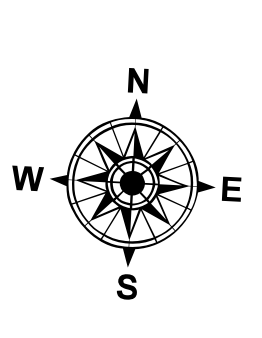


| LEGEND | | | |
|----------------------------------|---------------------|---------------------------|----------------|
| --- Federal Navigation Channel | ○ Cable Area | 3 Fluff Thickness (feet)* | -16' and above |
| — Federal Navigation Center Line | □ Placement Area | ● Shoalest Sounding** | -16' to -21' |
| — As-built Pipeline/Cable | □ Anchorage Area | ★ Beacon, General | -21' to -26' |
| Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy | -26' to -33' |
| — Project Depth Contour | ⚓ Wrecks-Submerged | ◆ Green Navigation Buoy | -33' to -39' |
| | | | -39' to -41' |
| | | | -41' to -43' |
| | | | -43' and below |



Gage Reading: RANGE D: 0.8 MLLW
 Sea Conditions: CALM
 Vessel Name: M/V VALENTOUR
 Survey Type: CONDITION
 Sounding Frequency***: LOW

Vertical Datum:
 Soundings are shown in feet and indicate depths below Mean Lower Low Water Datum (MLLW).
 Datum Relationships for gage 73585 as of December 2013:
 0.0' NAVD88 (OPUS 2013) = 0.8' MLLW = 1.8' 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.

2015 Aerial Photography data source: NAIP
 Reference is N.O.A.A. Navigation Chart No. 11339.

* Difference between high and low frequency elevations where greater than 1.0'.
 ** 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: RYLAND ADAMS | Plotted By: BD |
| Recommended: | Chief, Survey Section | Checked By: AC |
| Approved: | Chief, Waterways Maintenance Section | |

**CALCASIEU SHIP CHANNEL
 DEVIL'S ELBOW - SH 2
 CR_51_DE2_20200228_CS
 28 February 2020**

**Sheet Reference Number
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