



LEGEND

- - - Federal Navigation Channel
- Cable Area
- 3 Fluff Thickness (feet)*
- - - Federal Navigation Center Line
- Placement Area
- Shoalest Sounding**
- As-built Pipeline/Cable
- Anchorage Area
- ★ Beacon, General
- - - Unconfirmed Pipeline/Cable
- ⊗ Obstruction Point
- ♦ Red Navigation Buoy
- Project Depth Contour
- ✶ Wrecks-Submerged
- ♦ Green Navigation Buoy

Gage Reading: VRS RTK NTRIP: 1.36 MLLW
 Sea Conditions: CALM
 Vessel Name: MV LAFOURCHE
 Survey Type: CONDITION
 Sounding Frequency***: LOW

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 Lower Low Water Datum (MLLW).
 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 based 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.



DISCLAIMER:

Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are provided for informational purposes only and are not to be used for any other purpose. The user is responsible for the results of any use of the data. The user is not to be held liable for any damage or injury resulting from the use of the data. The user is not to be held liable for any damage or injury resulting from the use of the data.

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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: SPPS
Recommended: Chief, Survey Section	Plotted By: BD
Approved: Chief, Waterways Maintenance Section	Checked By: AC

**CALCASIEU SHIP CHANNEL
 LOWER SHEET 19
 CR_19_LWR_20220427_CS
 27 April 2022**

**Sheet Reference Number
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