



**LEGEND**

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- ..... Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- ⊗ Anchorage Area
- ⊗ Obstruction Point
- ⊗ Wrecks-Submerged
- 3 Fluff Thickness (feet)\*
- Shoalest Sounding\*\*
- ☆ Beacon, General
- ◆ Red Navigation Buoy
- ◆ Green Navigation Buoy
- -16' and above
- -16' to -21'
- -21' to -26'
- -26' to -33'
- -33' to -39'
- -39' to -41'
- -41' to -43'
- -43' 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 Lower Low Water Datum (MLLW). Datum Relationships for gage 73650 as of December 2013:  
0.0' NAVD88 (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.

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.

Gage Reading: CAMERON: 1.90 MLG  
Sea Conditions: 2'-3'  
Vessel Name: M/V BURRWOOD  
Survey Type: AD  
Sounding Frequency\*\*\*: LOW

Feet  
0 400 800 1,200 1,600



**DISCLAIMER:**  
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that there is no warranty of accuracy, completeness, reliability, usability or suitability for any particular purpose of the recipient. The user is responsible for the results of the application of the data for other than its intended purpose.  
Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and other changes in the channel. The user is responsible for the results of the application of the data for other than its intended purpose.  
The information depicted on this map represents the results of a survey conducted under the authority of the U.S. Army Corps of Engineers. The user is responsible for the results of the application of the data for other than its intended purpose. The information depicted on this map represents the results of a survey conducted under the authority of the U.S. Army Corps of Engineers. The user is responsible for the results of the application of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: JLA,JDH
Recommended:	Plotted By: BD
Approved:	Checked By: AC

**CALCASIEU SHIP CHANNEL**  
**BAR SHEET 34**  
**CR\_34\_BAR\_20180614\_AD**  
**14 June 2018**

**Sheet Reference Number**  
**34 of 53**