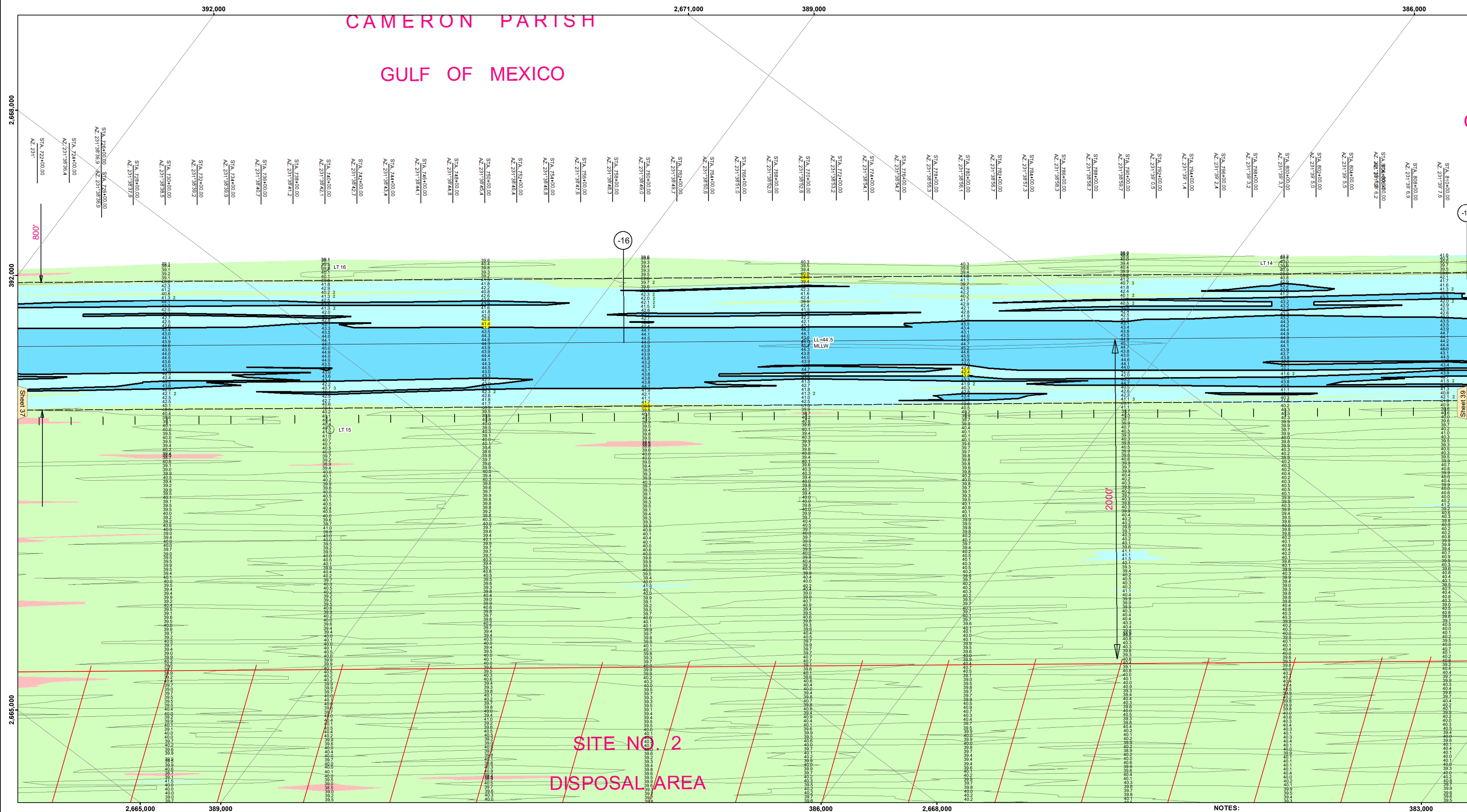


CAMERON PARISH  
GULF OF MEXICO

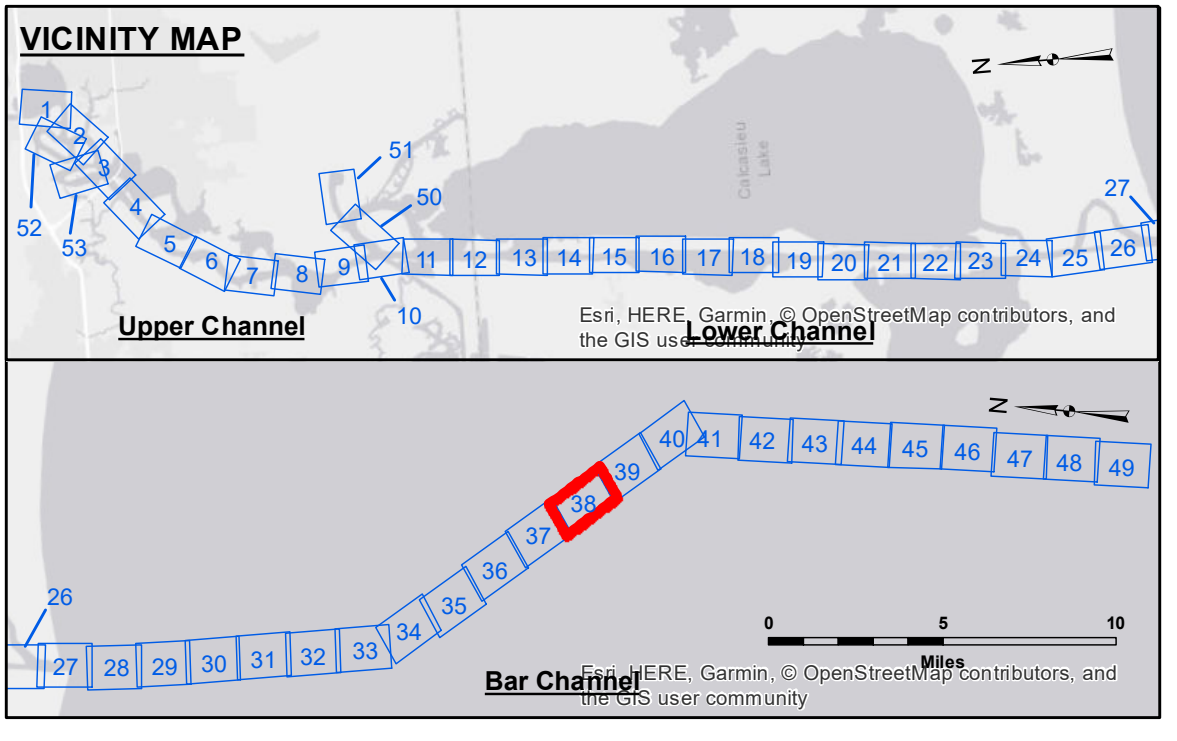


**US Army Corps of Engineers District: CEMVN**

**DISCLAIMER**  
The information depicted on this map represents the results of a hydrographic survey conducted by the United States Army Corps of Engineers. The data is not intended to be used for purposes other than those for which it was collected. The user is responsible for the accuracy, reliability, and use of the data. The Corps of Engineers does not warrant the accuracy, reliability, or use of the data. The Corps of Engineers is not responsible for any damage or injury resulting from the use of the data. The Corps of Engineers is not responsible for any damage or injury resulting from the use of the data.

Surveyed By: SPS:JH	Plotted By: BD	Checked By: AC
Submitted:	Recommended: Chart Survey Section	Approved: Chief, Waterways Maintenance Section

**CALCASIEU SHIP CHANNEL  
BAR SHEET 38  
CR\_38\_BAR\_20180627\_AD  
27 June 2018**



**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

**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 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.

Gage Reading: CAMERON: 1.97 MLLW  
Sea Conditions: 1' - 2'  
Vessel Name: M/V LAFORCHE  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: LOW

Scale: 0 400 800 1,200 1,600 Feet

**Sheet Reference Number  
38 of 53**

Revision Number:  
3.13-20160811