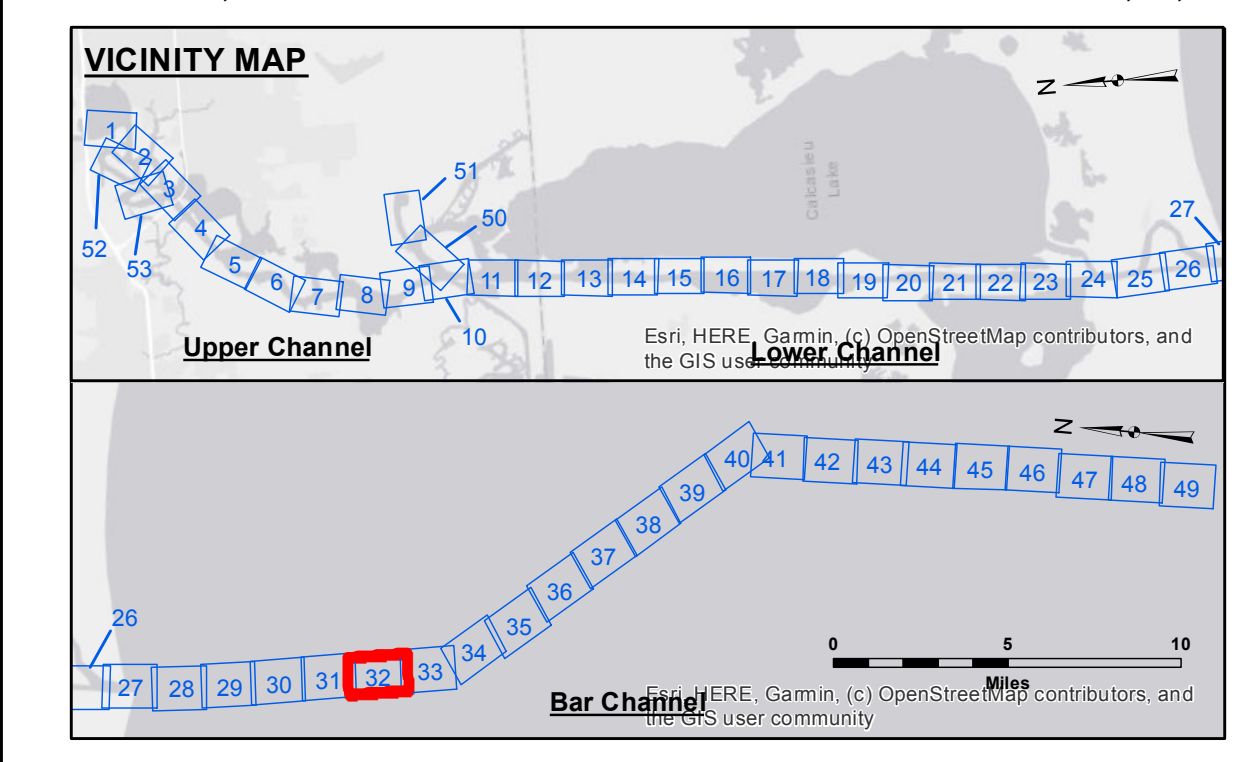
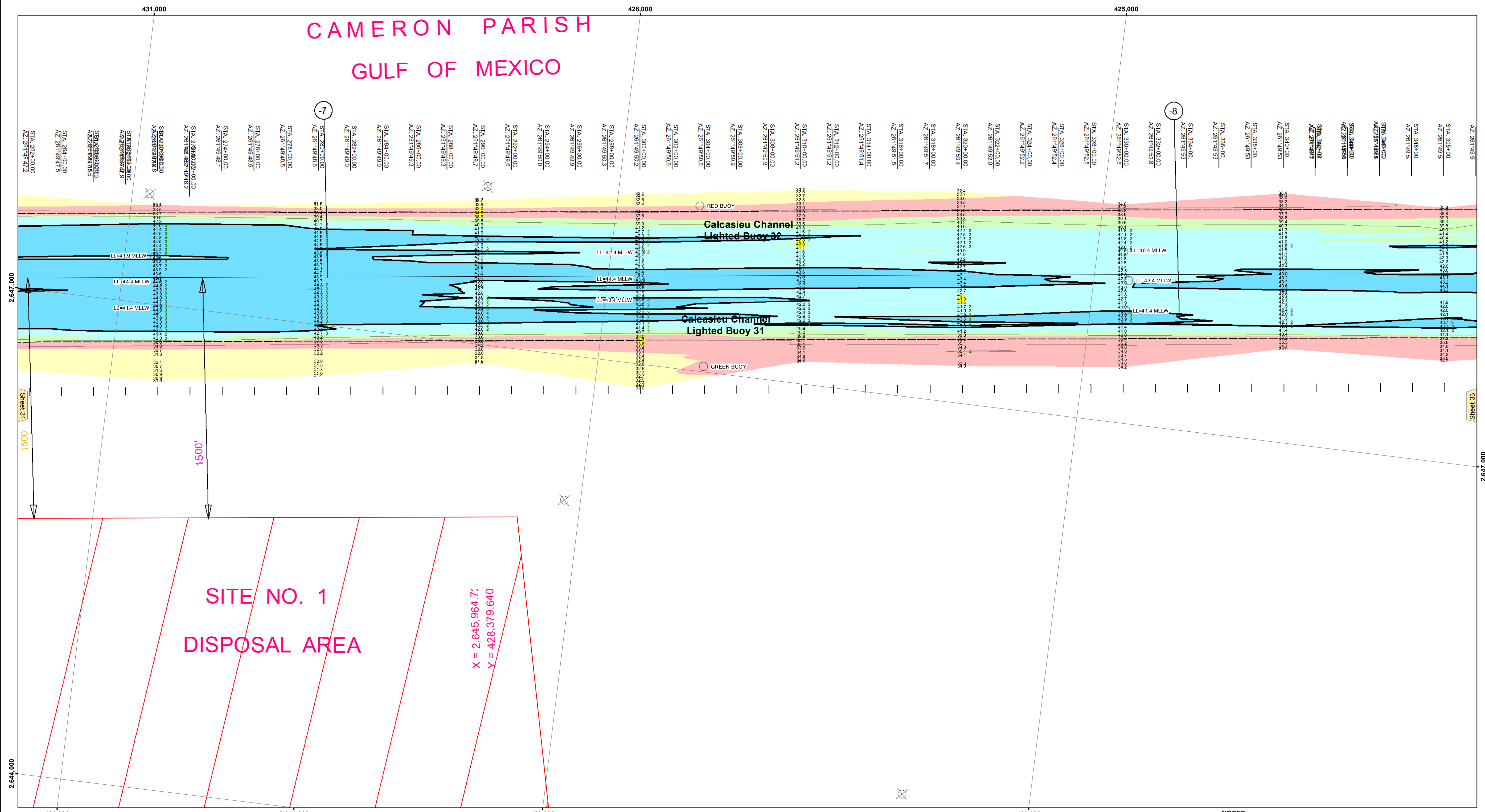


CAMERON PARISH GULF OF MEXICO



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 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: 2.55 MLLW AVG.
Sea Conditions: 2 FT
Vessel Name: M/V LAFORUCHE
Survey Type: CS
Sounding Frequency***: LOW



DISCLAIMER

The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the information. The user is responsible for the results obtained from the use of this information. Application of the data for other than intended purposes is at the user's risk.

Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including, but not limited to, changing bathymetry, sedimentation, and shifting sandbars. The user is responsible for the results obtained from the use of this information. Application of the data for other than intended purposes is at the user's risk.

The information depicted on this map represents the results of a hydrographic survey conducted on the date indicated. It is not intended to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: DS/PS
Recommended:	Plotted By: BD
Approved:	Checked By: AC

**CALCASIEU SHIP CHANNEL
BAR SHEET 32
CR_32_BAR_20210701_CS
01 July 2021**

**Sheet Reference Number
32 of 53**

Revision Number:
4.1-20191105