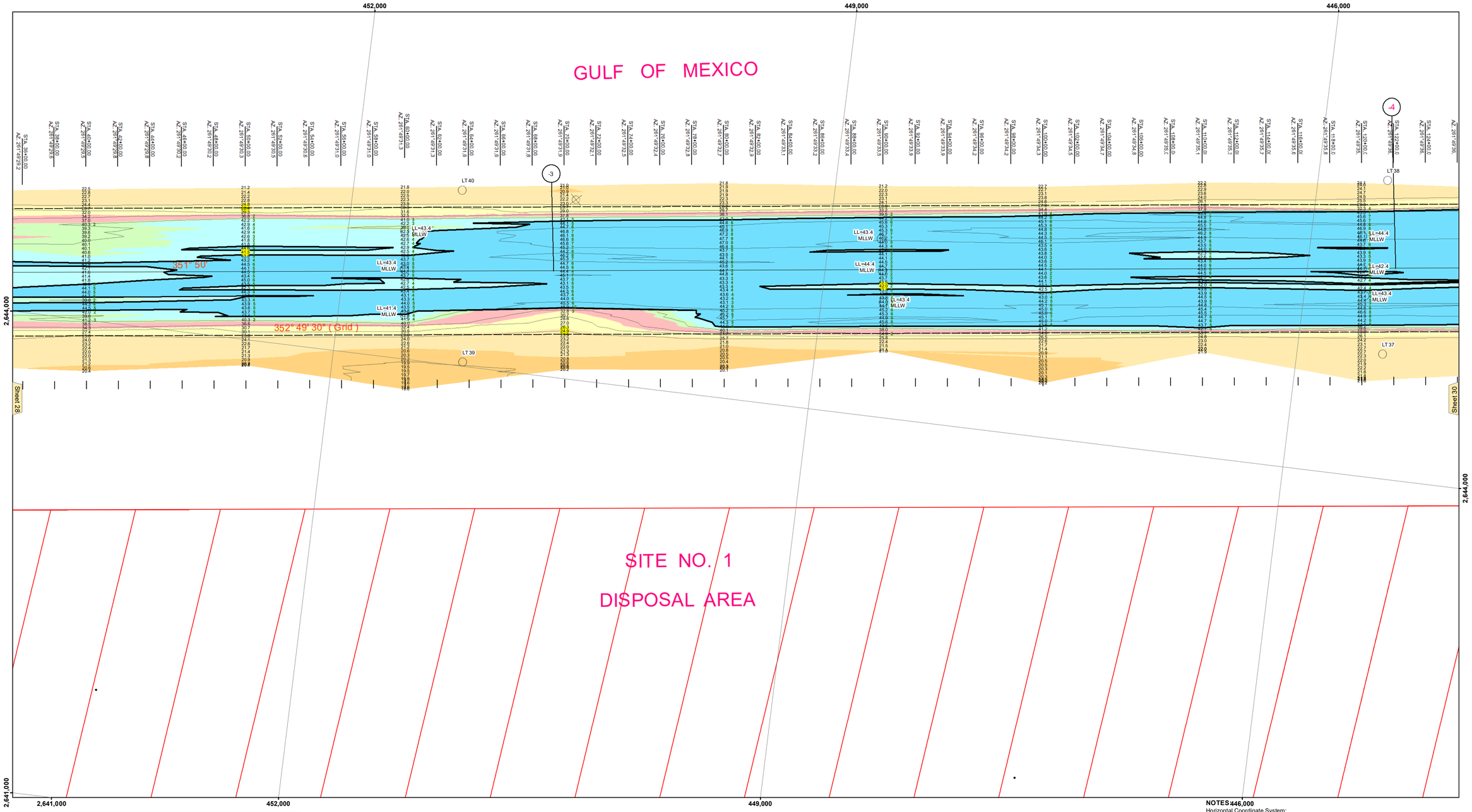

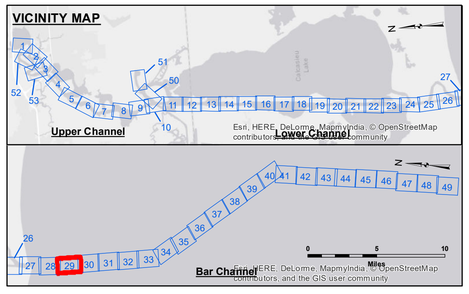

LEGEND

- 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

Gage Reading:	CAMERON: 1.55 MLLW AVG.
Sea Conditions:	CALM
Vessel Name:	M/V LAFOURCHE
Survey Type:	CONDITION
Sounding Frequency***:	LOW

Feet: 0 400 800 1,600

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.

US Army Corps of Engineers
District: CEMVN

DISCLAIMER
Access Constraints: The United States Government furnishes this data and information on an "as is" basis. The recipient agrees to exercise such independent judgment and reasonable care as may be appropriate in the hydrographic conditions which develop after the date of publication. This data is intended for U. S. Army Corps of Engineers' internal use. Project requirements based on long-term

Distribution Liability: The data represents the results of data collection and analysis at a particular point in time and reflects the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy. The United States Government assumes no liability for the use of any of the application of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change due to environmental factors such as storms, sediment transport activity and natural shoaling and scouring processes. The U. S. Government assumes no liability for the use of any of the data in the hydrographic conditions which develop after the date of publication.

DISCLAIMER
Access Constraints: The United States Government furnishes this data and information on an "as is" basis. The recipient agrees to exercise such independent judgment and reasonable care as may be appropriate in the hydrographic conditions which develop after the date of publication. This data is intended for U. S. Army Corps of Engineers' internal use. Project requirements based on long-term

U.S. ARMY COPRPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:

Recommended: Chief, Survey Section

Approved: Chief, Waterways Maintenance Section

Surveyed By: JH/FS
Plotted By: BD
Checked By: AO

CALCASIEU SHIP CHANNEL
BAR SHEET 29
CR_29_BAR_20190115_CS
15 January 2019

Sheet Reference Number
29 of 53

Revison Number:
3.12-20160811