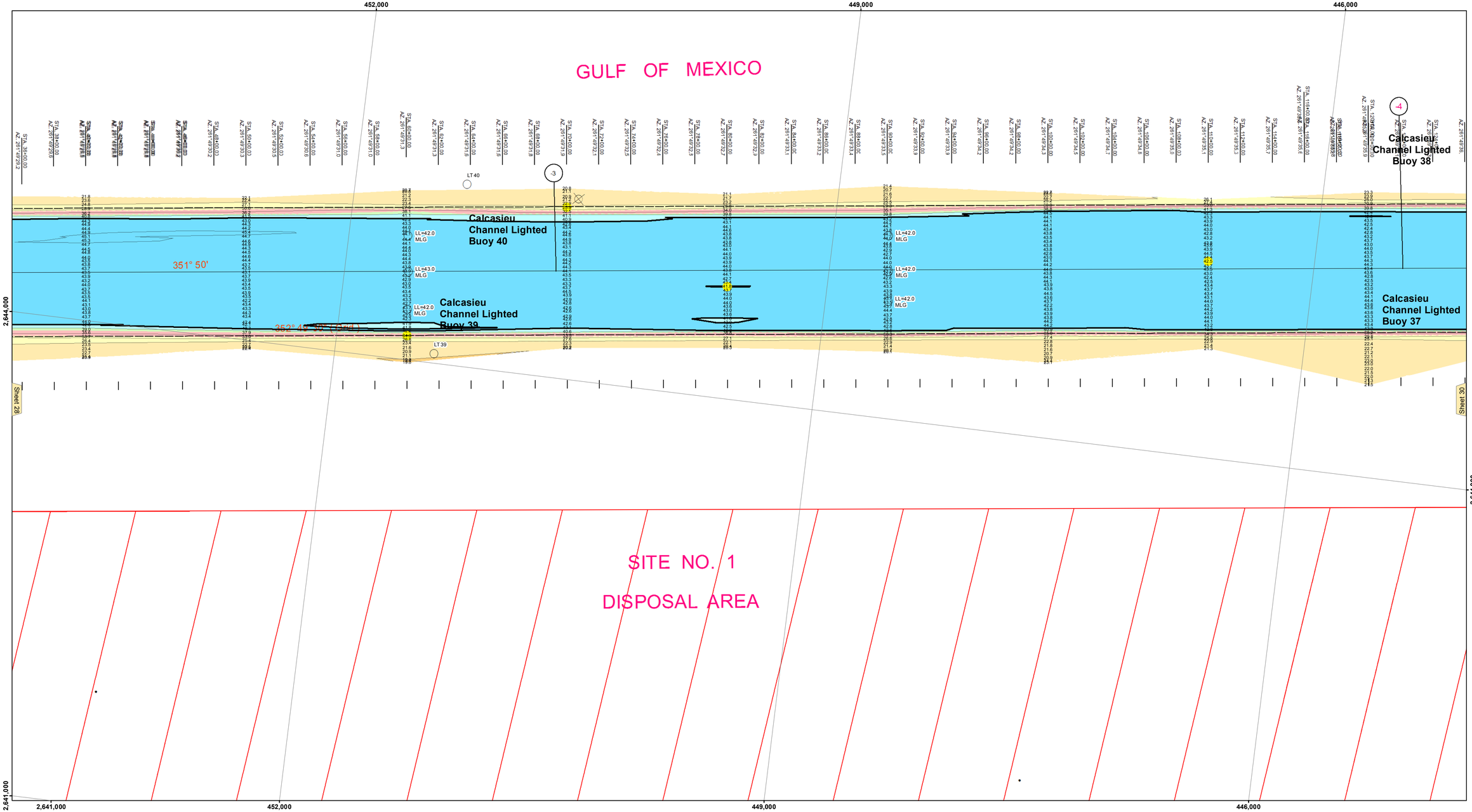

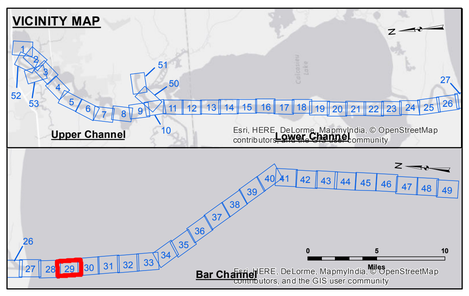

LEGEND

- 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
- Borrow Area
- Shoalest Sounding**
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy
- -15' and above
- -15' to -20'
- -20' to -25'
- -25' to -32'
- -32' to -38'
- -38' to -40'
- -40' to -42'
- -42' and below

Gage Reading:	CAMERON: 2.95 MLG AVG.
Sea Conditions:	CHOPPY
Vessel Name:	M/V TECHE
Survey Type:	CONDITION
Sounding Frequency***:	LOW

Feet
0 400 800 1,200 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 Low Gulf Datum (MLG).
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.

2010 Aerial Photography data source: NAIP

Reference is N.O.A.A. Navigation Chart No. 11339.

** 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 map and the data contained therein to expedite navigation, understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of this map or the data contained therein. The information and the data furnished. The United States shall be under no liability whatsoever to any individual or party for any action made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than Government data. The recipient agrees to hold harmless the US Government for these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection and analysis performed for navigation purposes activity, and indicates the general existing conditions. As such it is only valid for its intended use, content, time and accuracy of survey. Use of the data for other than its intended purpose, or 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 conditions such as storms, biological activity, and natural shoaling and scouring processes. The U. S. Government assumes no responsibility for changes occurring in the hydrographical conditions which develop after the date of publication. This data is intended for U. S. Army Corps of Engineers' internal use. Private or commercial use of any kind is prohibited.

U.S. ARMY COPRPS OF ENGINEERS
NEW ORLEANS DISTRICT

Surveyed By: SPS,JH	Plotted By: BTD	Checked By: TAF
Submitted:	Recommended: Chief, Survey Section	Approved: Chief, Waterways Maintenance Section

CALCASIEU SHIP CHANNEL
BAR SHEET 29
CR_29_BAR_20150709
09 July 2015

Sheet Reference Number
29 **of** 53

Revison Number:
3.8.0-20150202