551,000 548,000 2,650,000 545,000

2,650,000

2,647,000

DISPOSAL AREA 23

DISPOSAL AREA "D"

CALCASIEU SHIP CHANNEL

CAMERON PARISH

DISPOSAL AREA "A"

Sheet 14

Sheet 16

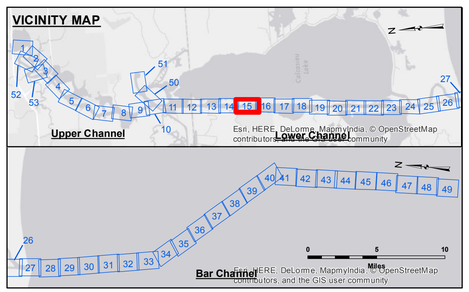
LIGHT 80

LIGHT 79

HACKBERRY 73600
(0.0' NAVD88 = 1.0'
MLLW = 2.0' MLG)

551,000 548,000 545,000

VICINITY MAP



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
- -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:	DM 86:3.3 MLG AVG
Sea Conditions:	CALM
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 73600 as of December 2013:
0.0' NAVD88 (OPUS 2010) = 1.0' MLLW = 2.0' 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 map and the data contained therein to expedite navigation. The user understands 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 by the United States shall be used with the understanding that the Government is not liable for any decisions 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 shall not release to others, nor reproduce these data to others without also transferring this Disclaimer.

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Data Constraints: Hydrographic survey data is subject to change due to environmental conditions such as storms, sedimentation activity, and natural shoaling and scouring processes. The U. S. Government assumes no responsibility for changes made to or in the hydrographical conditions which develop after the date of publication. This data is intended for U. S. Army Corps of Engineers' internal use. Project maintained based on survey output.

The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general conditions existing at that time.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Surveyed By: FS_UH	Submitted:	
Plotted By: AO	Recommended:	Chief, Survey Section
Checked By: AO	Approved:	Chief, Waterways Maintenance Section

CALCASIEU SHIP CHANNEL
LOWER SHEET 15
CR_15_LWR_20160922
22 September 2016

Sheet Reference Number
15 **of** 53

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