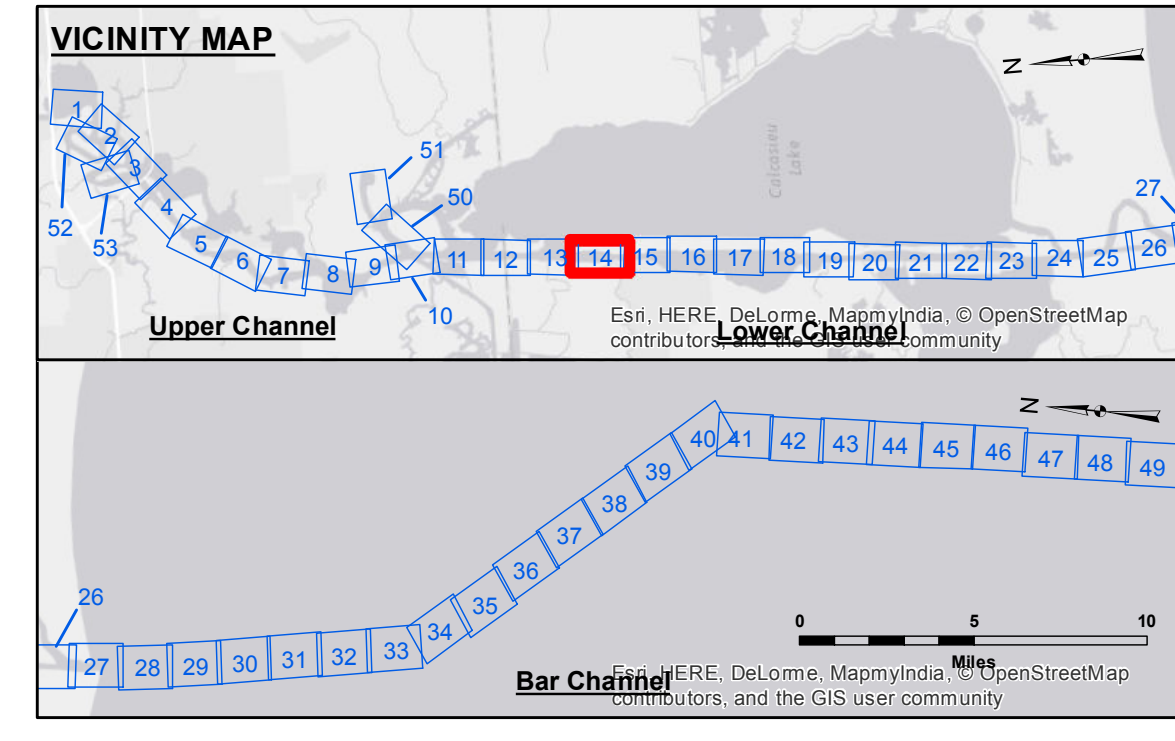


**DISCLAIMER:** The data represented on this map were collected by the United States Government and are not intended to be used for any purpose other than that for which they were collected. The user is responsible for the accuracy, completeness, and reliability of the data. The user is responsible for the accuracy, completeness, and reliability of the data. The user is responsible for the accuracy, completeness, and reliability of the data. The user is responsible for the accuracy, completeness, and reliability of the data.

Submitted:	Surveyed By:
Recommended:	Plotted By:
Approved:	Checked By:
	ITAF

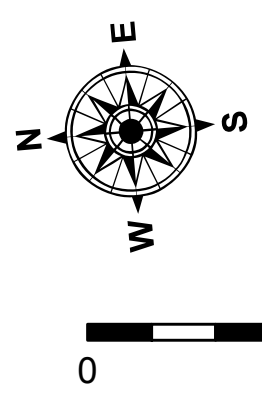
**CALCASIEU SHIP CHANNEL  
LOWER SHEET 14  
CR\_14\_LWR\_20160608  
08 June 2016**

**Sheet Reference Number  
14 of 53**



**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: HACKBERRY: 3.58 MLG  
Sea Conditions: CALM  
Vessel Name: MV TECHE  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: LOW

0 400 800 1,200 1,600 Feet

**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' NAVD83 (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 based 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.