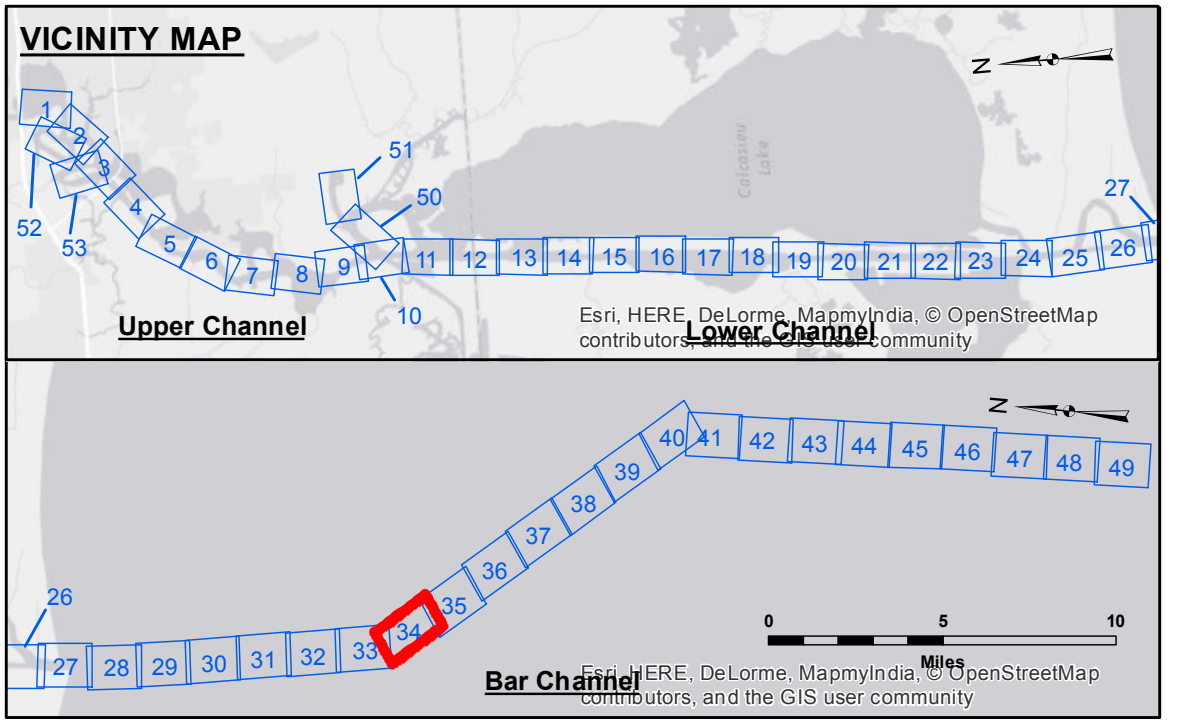


DISCLAIMER

The information depicted on this map represents the results of a hydrographic survey conducted by the U.S. Army Corps of Engineers. The user is responsible for the accuracy, completeness, and reliability of the data for their intended use. The user is not to be held liable for any damages or losses resulting from the use of this information. The U.S. Army Corps of Engineers does not warrant the accuracy, completeness, or reliability of the data for any purpose other than that for which it was collected. The user is responsible for the accuracy, completeness, and reliability of the data for their intended use. The user is not to be held liable for any damages or losses resulting from the use of this information. The U.S. Army Corps of Engineers does not warrant the accuracy, completeness, or reliability of the data for any purpose other than that for which it was collected.

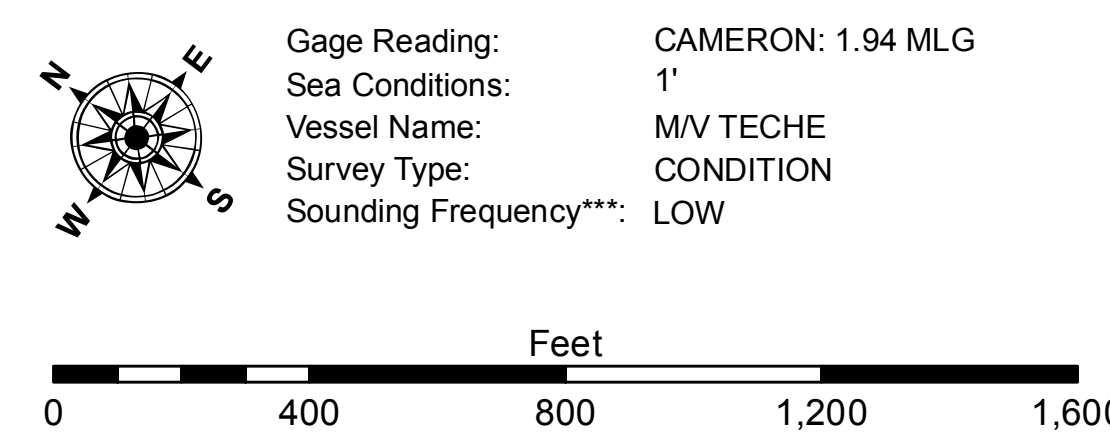
Submitted:	Surveyed By: SJR,jdh	Plotted By: BITD	Checked By: TAF
Revised:	Chief, Survey Section	Chief, Survey Section	Chief, Survey Section
Approved:	Chief, Waterways Maintenance Section	Chief, Waterways Maintenance Section	Chief, Waterways Maintenance Section

CALCASIEU SHIP CHANNEL
BAR SHEET 34
CR_34_BAR_20160405
05 April 2016



LEGEND

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -15' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -15' to -20'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -20' to -25'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -25' to -32'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -32' to -38'
			■ -38' to -40'
			■ -40' to -42'
			■ -42' and below



NOTES:

Horizontal Datum: 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: 1' CAMERON: 1.94 MLG

Sounding Frequency***: LOW

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. 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 bathymeter settings.

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