

US Army Corps of Engineers
District: CEMVN

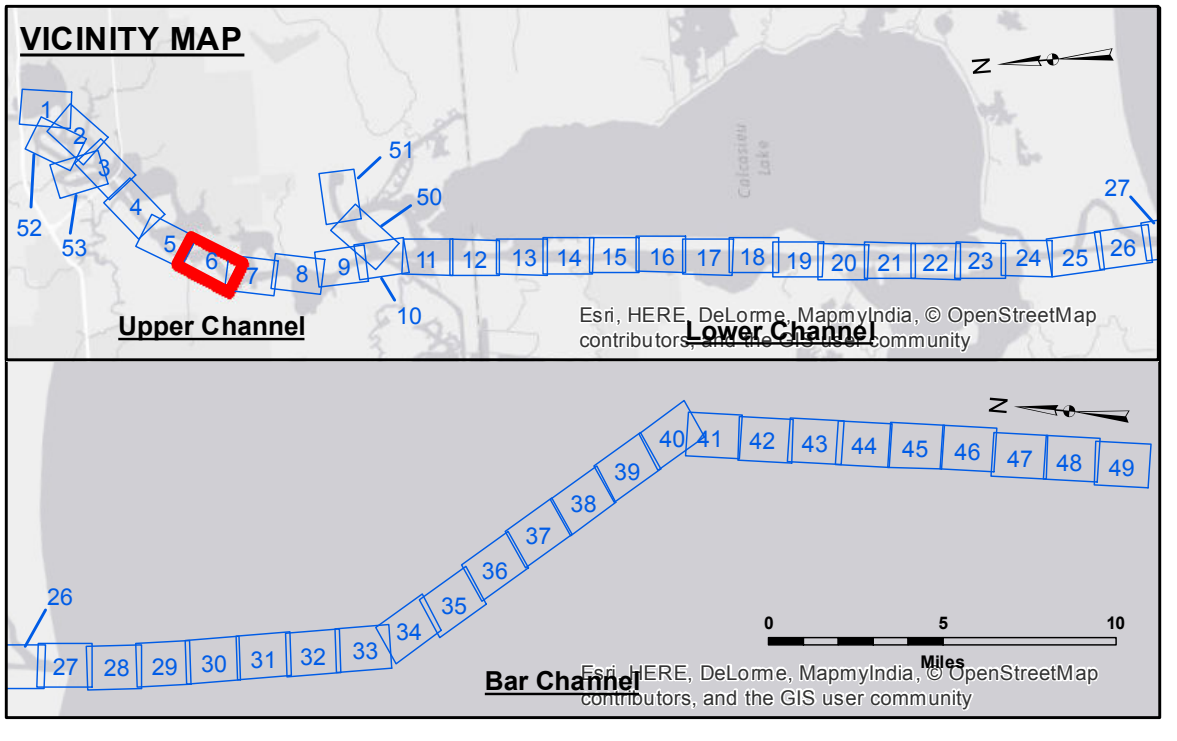
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Submitted:	Surveyed By: SURJH	Plotted By: BD	Checked By: AC
Recommended:	Chief, Survey Section		
Approved:	Chief, Waterways Maintenance Section		

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

**CALCASIEU SHIP CHANNEL
UPPER SHEET 6
CR_06_UPR_20170516_CS
16 May 2017**

**Sheet Reference Number
6 of 53**



LEGEND

Federal Navigation Channel	Cable Area	Fluff Thickness (feet)*	-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 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 73565 as of December 2013:
0.0' NAVD83 (OPUS 2013) = 0.6' MLLW = 1.6' 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.

Gage Reading: DM 114: 2.9 MLG
Sea Conditions: CALM
Vessel Name: M/V TECHE
Survey Type: CONDITION
Sounding Frequency***: LOW

Scale: 0 to 1,600 Feet