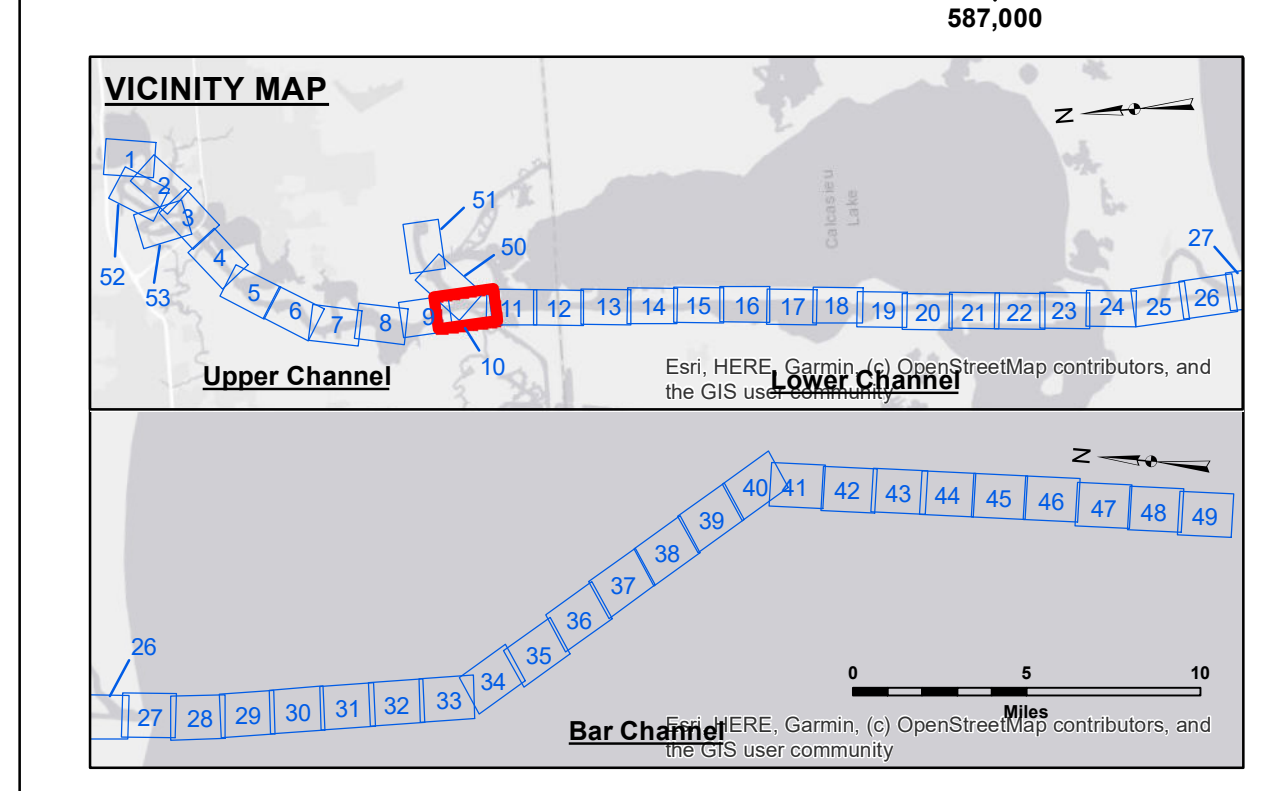


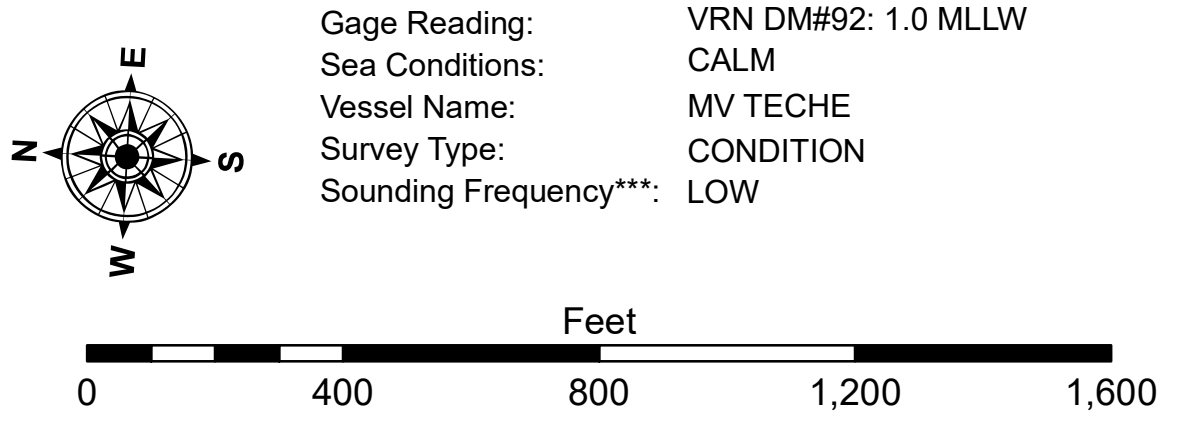
Sheet 6

Sheet 11



LEGEND

- - - Federal Navigation Channel	○ Cable Area	3 Fluff Thickness (feet)*	Red -16' and above
- - - Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	Orange -16' to -21'
- - - As-built Pipeline/Cable	○ Anchorage Area	★ Beacon, General	Yellow -21' to -26'
- - - Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	Light Green -26' to -33'
- - - Project Depth Contour	⊘ Wrecks-Submerged	◆ Green Navigation Buoy	Pink -33' to -39'
			Light Blue -39' to -41'
			Medium Blue -41' to -43'
			Dark Blue -43' and below



Gage Reading: VRN DM#92: 1.0 MLLW
 Sea Conditions: CALM
 Vessel Name: MV TECHE
 Survey Type: CONDITION
 Sounding Frequency***: LOW

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 Lower Low Water Datum (MLLW). Datum Relationships for gage 73585 as of December 2013: 0.0' NAVD83 (OPUS 2013) = 0.8' MLLW = 1.8' MLLG or 0.0' MLLW = 1.0' MLLG

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.

2022 Aerial Photography data source: PAR LLC
 Reference is N.O.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.



DISCLAIMER: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not guaranteed, warranted, or certified, and that the data are for informational purposes only. The user is responsible for the accuracy, completeness, and reliability of the data for any particular purpose. The user agrees to hold the United States Government harmless from and against any and all claims, damages, losses, and expenses, including reasonable attorney's fees, that may be asserted against or incurred by the United States Government or its officers, employees, or agents, or any third party, as a result of the use of the data for any purpose other than that for which they were prepared. The information depicted on this map represents the results of a survey conducted on the date of the survey and is not to be used for any other purpose. The user of the data is responsible for the accuracy and reliability of the data for any particular purpose. The information depicted on this map represents the results of a survey conducted on the date of the survey and is not to be used for any other purpose.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By:	Plotted By:	Checked By:
Chert, Survey Section	SP-JS	JH	JH
Recommended:	Chert, Waterways Maintenance Section		
Approved:	JH		

**CALCASIEU SHIP CHANNEL
 UPPER SHEET 10
 CR_10_UPR_20230801_AD
 01 August 2023**

**Sheet Reference Number
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