



Gage Reading: HACKBERRY VRN: 0.90 MLLW
Sea Conditions: CALM
Vessel Name: M/V 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 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.
 2022 Aerial Photography data source: PAR LLC
 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
 Distribution Limitation: The data represents the results of data collection processing for a specific US Army Corps of Engineers collection purpose and does not represent the general existing conditions. As such, only data that is used for its intended purpose should be used for any other purpose.
 Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including dredging and scouring processes. The US Army Corps of Engineers does not warrant the data in this hydrographic survey. This data is intended for the use of the Army Corps of Engineers internal use. Private parties should not rely upon it.

U.S. ARMY CORPS OF ENGINEERS
 Surveyed By: SP
 Printed By: BD
 Checked By: ACH
 Submitted: None
 Recommended: None
 Approved: None
 Survey Section: None
 Waterways Maintenance Section: None

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