

















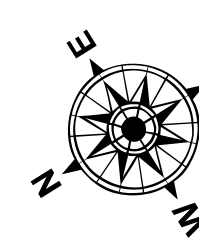


LEGEND			
---	Federal Navigation Channel	 Cable Area	 3 Fluff Thickness (feet)*
—	Federal Navigation Center Line	 Placement Area	 Shoalest Sounding**
—	As-built Pipeline/Cable	 Anchorage Area	 Beacon, General
.....	Unconfirmed Pipeline/Cable	 Obstruction Point	 Red Navigation Buoy
—	Project Depth Contour	 Wrecks-Submerged	 Green Navigation Buoy
			 -16' and above  -16' to -21'  -21' to -26'  -26' to -33'  -33' to -39'  -39' to -41'  -41' to -43'  -43' and below



Gage Reading: DM 114 VRN: 1.51 MLLW AVG.
Sea Conditions: CALM
Vessel Name: M/V TECHE
Survey Type: CONDITION
Sounding Frequency***: LOW

NOTES: 614,000

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 gauge 736565 as of December 2013:
 $0.0' \text{ NAVD83 (OPUS 2013)} = 0.6' \text{ MLLW} = 1.6' \text{ MLG}$ or $0.0' \text{ MLLW} = 1.0' \text{ MLG}$

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. 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 bot-
tom material. Low frequency accuracies may vary depending on channel conditions and bathymetric
settings.

Sheet
Reference
Number
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