



DISCLAIMER

ACCURACY: The United States Government furnishes no warranty, expressed or implied, for the accuracy, completeness, or timeliness of the information and data furnished. The United States shall be liable for damages only for negligence of its personnel in the use of the data belonging to the Government. Therefore the user of the data is advised to transfer the data to other systems and to other users at their own risk without also transferring the Disclaimer.

INTENTION: The information disclosed in this map represents the results of a study conducted by the U.S. Geological Survey. It is not intended to represent the general condition existing at that time.

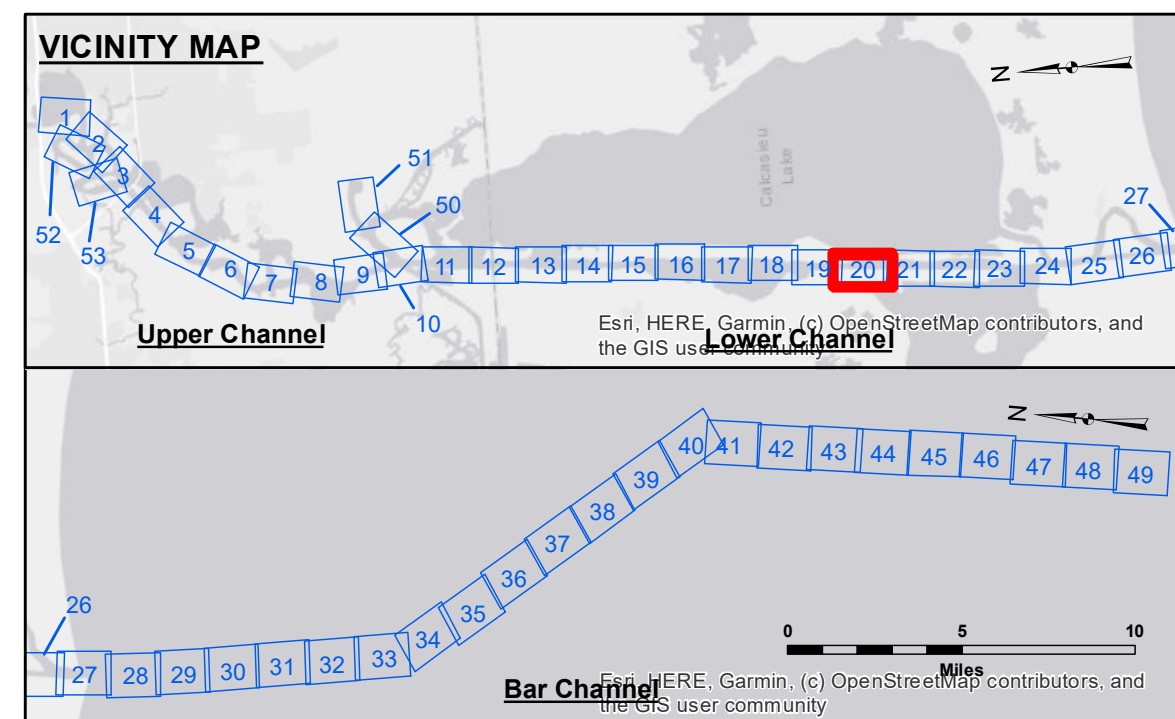
DISTRIBUTION: The data represents the results of data processing and analysis of the data for hydrogeological activity and indicates the general testing conditions. As such, it is only valid for its intended use, and its accuracy cannot be guaranteed. The data is not intended for any of the application of the data for other than its intended purpose.

DISCLAIMER: Hydrogeological data is subject to change rapidly due to natural hazards and human activities, and to natural hazards and seismological processes. The U.S. Geological Survey does not warrant the accuracy of the hydrogeological conditions which develop after the date of the data. The data is not intended to represent the general condition existing at that time. The data is not intended to represent the general condition existing at that time.

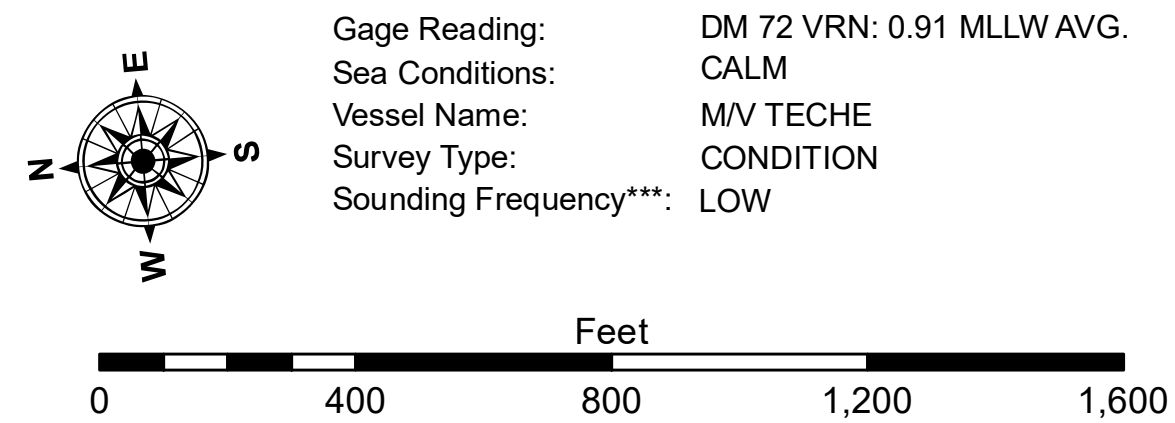
U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		Submitted: _____	Reviewed By: SPJS
Recommended: _____	Chief, Survey Section	Plotted By: BD	
Approved: _____	Chief, Waterways Maintenance Section	Checked By: JGUP	

CALCASIEU SHIP CHANNEL
LOWER SHEET 20
CR_20_LWR_20250317_CS
17 March 2025

**Sheet
Reference
Number**
20 of 53



LEGEND							
---	Federal Navigation Channel		Cable Area	3	Fluff Thickness (feet)*		-16' and above
—	Federal Navigation Center Line		Placement Area		Shoalest Sounding**		-16' to -21'
—	As-built Pipeline/Cable		Anchorage Area		Beacon, General		-21' to -26'
.....	Unconfirmed Pipeline/Cable		Obstruction Point		Red Navigation Buoy		-26' to -33'
—	Project Depth Contour		Wrecks-Submerged		Green Navigation Buoy		-33' to -39'
							-39' to -41'
							-41' to -43'
							-43' 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 Lower Low Water Datum (MLLW).
Datum Relationships for gate 73615 as of December 2013:
0.0' NAVD88 (2009.55) = 1.1' MLLW = 2.1' 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 not penetrate 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.