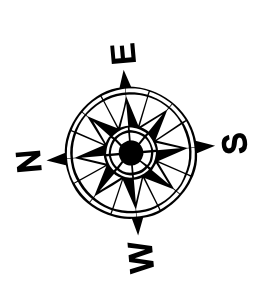
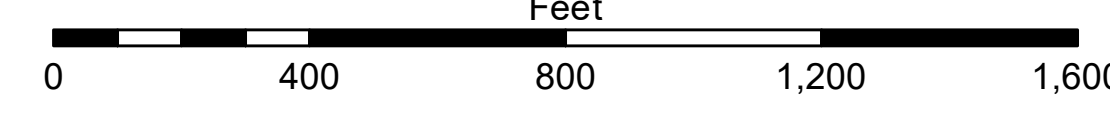


LEGEND			
Federal Navigation Channel	Cable Area	Borrow Area	-16' and above
Federal Navigation Center Line	Placement Area	Shoalest Sounding**	-16' to -21'
As-built Pipeline/Cable	Anchorage Area	Beacon, General	-21' to -26'
Unconfirmed Pipeline/Cable	Obstruction Point	Red Navigation Buoy	-26' to -33'
Project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



Gage Reading: DM 57 VRN: 2.75 MLLW AVG
 Sea Conditions: CHOPPY
 Vessel Name: OB169
 Survey Type: AD
 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 73625 as of December 2013: 0.0' NAVD83 (2009.55) = 1.2' MLLW = 2.2' 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. 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
 Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results of any use of the data. Application of the data for other than its intended purpose. Data Constitutes Hydrographic Survey Data is subject to change rapidly due to several factors including but not limited to dredging operations, natural channel changes, and other factors. The user is responsible for the data of the hydrographic conditions which develop after the date of the internal use. Prudent mariners should not rely solely on this information.

Submitted:	Surveyed By: SPJS
Recommended:	Plotted By: JHT
Approved:	Checked By: JHT

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT
 Chief, Waterways Maintenance Section

CALCASIEU SHIP CHANNEL LOWER SHEET 22
CR_22_LWR_20240618_AD
 18 June 2024

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