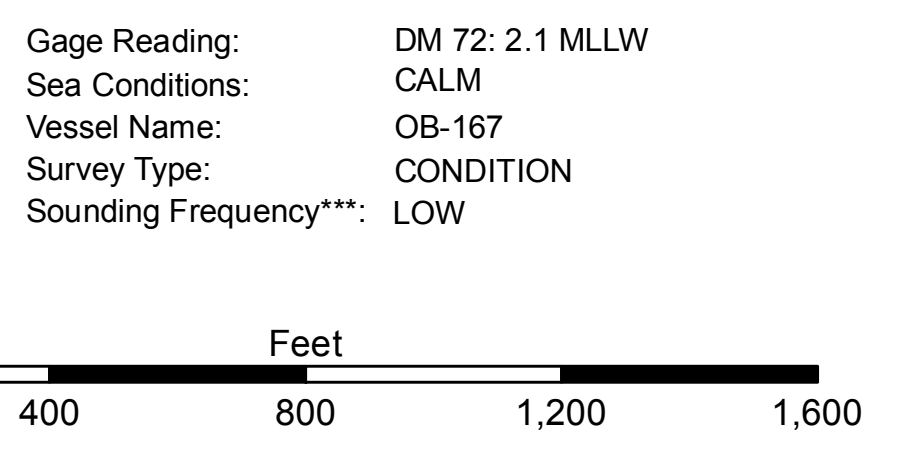
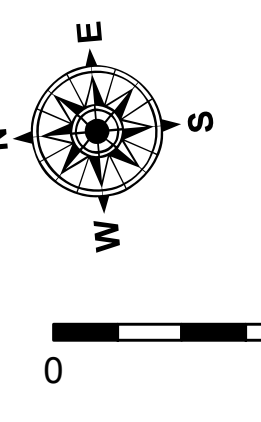


LEGEND

	--- Federal Navigation Channel		o 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 gage 73815 as of December 2013: 0.0' NAVD83 (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.
 2015 Aerial Photography data source: NAIP
 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.



DISTRIBUTION LIABILITY: The data represents the results of data collection performed for a specific US Army Corps of Engineers project. It is not intended for use in any other project or for any other purpose. The user is responsible for the results. The Corps of Engineers will not be held liable for any damages or losses resulting from the use of this data for any purpose other than that intended. The Corps of Engineers will not be held liable for any damages or losses resulting from the use of this data for any purpose other than that intended.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: SPPM
Recommended:	Plotted By: AO
Checked By:	Chief, Survey Section
Approved:	Chief, Waterways Maintenance Section

**CALCASIEU SHIP CHANNEL
 LOWER SHEET 17
 CR_17_LWR_20201004_PR
 04 October 2020**

**Sheet Reference Number
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