






















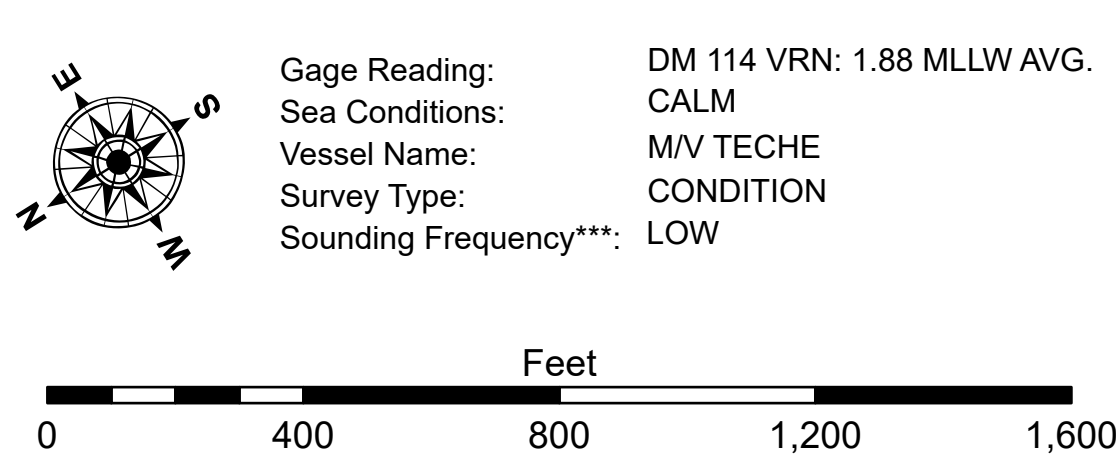


LEGEND							
	Federal Navigation Channel		Cable Area		Fluff Thickness (feet)*		-16' and above
	Federal Navigation Center Line		Placement Area		Shoalest Sounding**		-16' to -21'
	As-built Pipeline/Cable		Anchorage Area		Beacon, General		-21' to -26'
	Unconfirmed Pipeline/Cable		Obstruction Point		Red 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:** 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 gage 73565 as of December 2013:  
0.0' NAVD88 (OPUS 2013) = 0.6' MLLW = 1.6' 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 based 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 were 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 detect elevations of consolidated bottom material. Low frequency accuracies may vary depending on channel conditions and bathymetric settings.

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Reference  
Number  
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