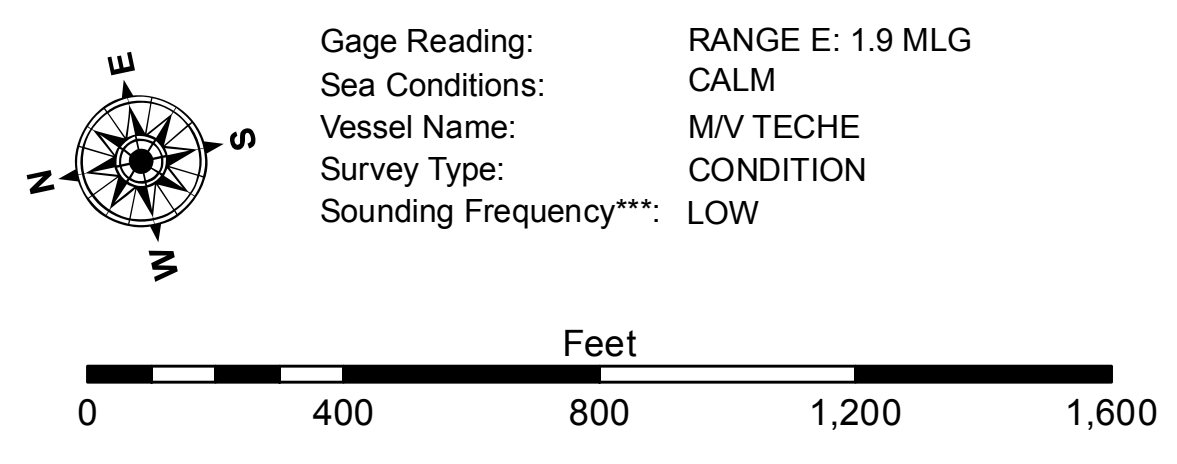


LEGEND			
--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -15' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -15' to -20'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -20' to -25'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -25' to -32'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -32' to -38'
			■ -38' to -40'
			■ -40' to -42'
			■ -42' 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 Low Gull Datum (MLG). Datum Relationships for gage 73575 as of December 2013: 0.0' NAVD83 (OPUS 2013) = 0.8' MLLW = 1.8' 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.  
 2010 Aerial Photography data source: NAIP  
 Reference is N.O.A. Navigation Chart No. 11339.  
 \*\* 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 bathymeter settings.



**DISCLAIMER:** The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the United States Government makes no warranty, express or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the information. The user is responsible for the results obtained from the use of this information. The user shall indemnify, defend and hold the United States Government harmless from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, that may be asserted against or incurred by the United States Government as a result of the use of this information, whether or not such claims, damages, losses and expenses are caused in whole or in part by the negligence of the United States Government. The information depicted on this map represents the results of a hydrographic survey conducted on or about the date indicated on the map. The information is not intended to be used for any purpose other than that for which it was collected. The user is responsible for the results obtained from the use of this information. The user shall indemnify, defend and hold the United States Government harmless from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, that may be asserted against or incurred by the United States Government as a result of the use of this information, whether or not such claims, damages, losses and expenses are caused in whole or in part by the negligence of the United States Government.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: JA, JH
Recommended:	Plotted By: BID
Approved:	Checked By: TAF
Chief, Waterways Maintenance Section	

**CALCASIEU SHIP CHANNEL  
 UPPER SHEET 7  
 CR\_07\_UPR\_20160121  
 21 January 2016**

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