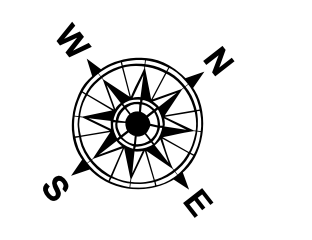
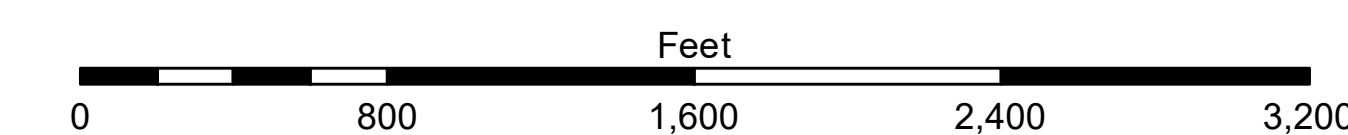


LEGEND

Federal Navigation Channel	Cable Area	Borrow Area	-12' and above
Federal Navigation Center Line	Placement Area	Shoalest Sounding**	-12' to -15'
As-built Pipeline/Cable	Anchorage Area	Beacon, General	-15' to -18'
Unconfirmed Pipeline/Cable	Obstruction Point	Red Navigation Buoy	-18' to -20'
Project Depth Contour	Wrecks-Submerged	Green Navigation Buoy	-20' and below
		Fluff Thickness*	3



Gage Reading: EUGINE ISLAND: 2.68 AVG.
 Sea Conditions: 1-3 FT
 Vessel Name: MV VALENTOUR
 Survey Type: CONDITION
 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 Low Gulf Datum (MLG). Datum Relationships for the gage 88600 as of August 2013:
 0.07 NAVD83 = 0.01 MLLW = 1.5' MLG
 Distances on the Atchafalaya River are shown at 1 mile intervals.
 The location of navigation aids are based on and provided by the U.S. Coast Guard.
 2013 Aerial Photography data source: GEOCLIP, Atlantic Group, LLC. (1998 DOQQ imagery in green).
 Reference is N.O.A. Navigation Chart No. 11354.
 * 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 bathymetry settings.

DISCLAIMER: The data shown on this map was derived from the original data provided by the U.S. Army Corps of Engineers and is not intended for use in any other project. The user assumes all responsibility for the application of the data for other than its intended purpose. Data obtained through this survey data is subject to change without notice. The user assumes all responsibility for the use of this data. The information shown on this map is not intended to be used for any purpose other than that for which it was prepared. The user assumes all responsibility for the use of this data.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

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Prepared By:	BD
Checked By:	AO

**ATCHAFALAYA RIVER
 BAR CHANNEL
 AR_04_BAR_20190625_CS
 25 June 2019**

**Sheet Reference Number
 4 of 16**