



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' and below
--- Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ 3'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ Lead Line Measurement

This data was collected in cooperation with the Port of Morgan City. The Port of Morgan City is not responsible for errors or omissions contained in this data set.

Gage Reading: EUGENE (NOAA): 2.5 MLG AVG
 Sea Conditions: CALM
 Vessel Name: M/V VALENTOUR
 Survey Type: CONDITION, RHEO
 Sounding Frequency***: 1030,1250 DENS

Vertical Datum:
 Horizontal Datum: North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.
 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 MLGW = 1.5' MLG

Distances on the Atchafalaya River are shown at 1 mile intervals.
 The location of navigation aids are shown and provided by the U.S. Coast Guard.
 2019 Aerial Photography data source: P.A.R. LLC, (1998 DOQQ imagery in green).
 Reference is N.O.A.A. Navigation Chart No. 11354.
 * Difference between high (or 1030 g/L) and low frequency (or 1250 g/L) 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 is the property of the U.S. Army Corps of Engineers and is provided for informational purposes only. It is not intended to be used for any other purpose. The user assumes all liability for any use of the data other than that intended. The U.S. Army Corps of Engineers is not responsible for any errors or omissions in the data. The user assumes all liability for any use of the data other than that intended. The U.S. Army Corps of Engineers is not responsible for any errors or omissions in the data. The user assumes all liability for any use of the data other than that intended.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted By:	JADR/MS/CC
Reviewed By:	AO
Checked By:	AO

**ATCHAFALAYA RIVER
 BAR CHANNEL DENSITY SURVEY
 AR_01_DEN_20190612_CS
 12 June 2019**

**Sheet Reference Number
 1 of 16**

Revision Number:
 4/8-2019/07/02