



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	■ Fluff Thickness*
— Project Depth Contour	⚓ Wrecks-Submerged	★ Green Navigation Buoy	■ 3'
			■ 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
Sea Conditions: CALM
Vessel Name: M/V VALENTOUR
Survey Type: CONDITION, RHEO
Sounding Frequency:** 1030,1250 DENS

Vertical 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.
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.
Sounding Frequency:** 1030,1250 DENS
Vertical 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.
Datum Relationships for the gage 88600 as of August 2013:
 0.0' NAVD83 = 0.0' MLLW = 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.

NOTES:
 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.
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DISCLAIMER: The data presented in this report is the property of the U.S. Army Corps of Engineers and is provided for informational purposes only. The data is not to be used for any other purpose without the express written consent of the U.S. Army Corps of Engineers. The data is provided "as is" and the user assumes all responsibility for its use. The data is not to be used for any other purpose without the express written consent of the U.S. Army Corps of Engineers. The data is provided "as is" and the user assumes all responsibility for its use.

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ATCHAFALAYA RIVER
BAR CHANNEL DENSITY SURVEY
AR_01_DEN_20190815_CS
15 August 2019

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