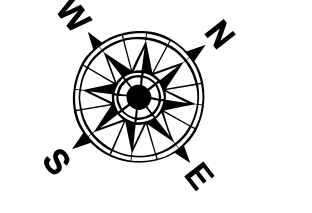


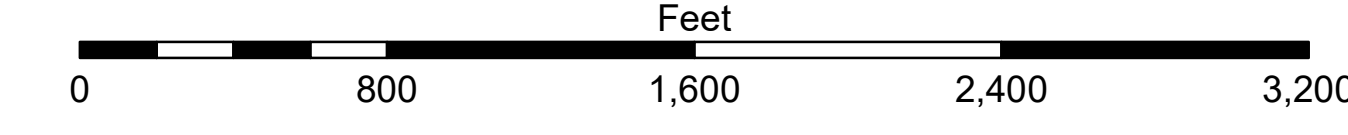
LEGEND

- - -	Federal Navigation Channel	○ ○ ○ ○ ○	Cable Area	 	Borrow Area		-12' and above
—	Federal Navigation Center Line	 	Placement Area	 	Anchorage Area		-12' to -15'
—	As-built Pipeline/Cable	⊗	Obstruction Point	★	Beacon, General		-15' to -18'
⋯	Unconfirmed Pipeline/Cable	⚓	Wrecks-Submerged	◆	Red Navigation Buoy		-18' to -20'
—	Project Depth Contour			◆	Green Navigation Buoy		-20' and below

Fluff Thickness* 3



Gage Reading: B-17:1.77 MLG AVG.
 Sea Conditions: CALM
 Vessel Name: M/V 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: 0.0' NAVD83 = 0.0' MLW = -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.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 soundings may vary depending on channel conditions and bathymetric settings.

U.S. ARMY CORPS OF ENGINEERS	
NEW ORLEANS DISTRICT	
Atchafalaya River	
BAR CHANNEL	
AR_03_BAR_20191003_CS	
03 October 2019	
Sheet Reference Number 3 of 16	

Reviewed By: JPH/KCC/MS
 Checked By: BD
 Prepared By: [Blank]
 Plotted By: [Blank]
 Approved: [Blank]

Revision Number: 4.0-20190702

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