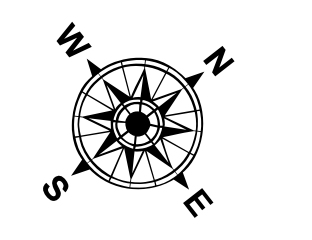
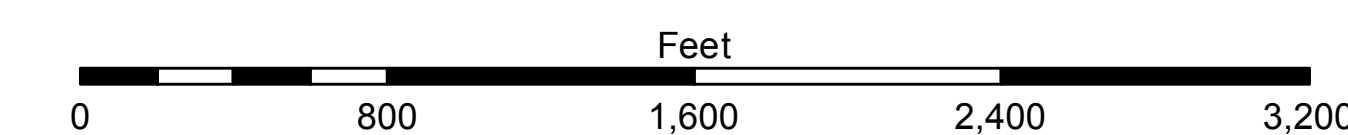


LEGEND

--- 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 Fluff Thickness*
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	



Gage Reading: DM 33 (EUGENE); 2.6 MLG AVG
 Sea Conditions: 1-3 FT.
 Vessel Name: MV BURWOOD
 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.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 bathymetric settings.

DISCLAIMER: The data presented in this report is for informational purposes only and is not intended for use in any legal proceeding. The data is provided as a service to the user and is not a warranty. The user is responsible for the accuracy and reliability of the data. The user is advised to use the data at their own risk. The user is advised to consult with a qualified professional for any specific requirements. The user is advised to use the data in accordance with the terms and conditions of the license. The user is advised to use the data in accordance with the terms and conditions of the license. The user is advised to use the data in accordance with the terms and conditions of the license.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted By:	RYLAND/DAMS
Prepared By:	AO
Checked By:	TC

**ATCHAFALAYA RIVER
 BAR CHANNEL
 AR_01_BAR_20160412
 12 April 2016**

**Sheet Reference Number
 1 of 16**