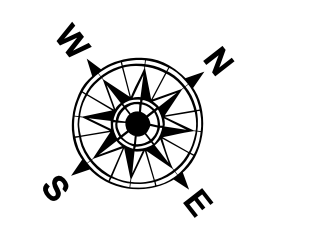
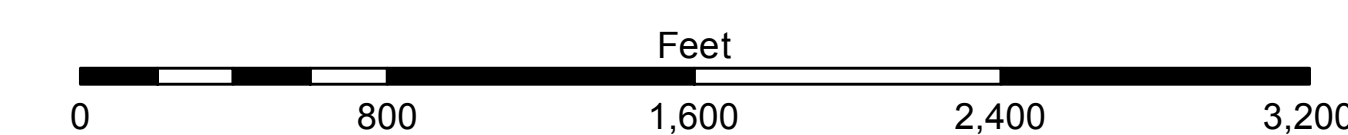


LEGEND

--- 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. 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 the "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 the property of the U.S. Army Corps of Engineers and is provided for informational purposes only. It 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 U.S. Army Corps of Engineers does not warrant the accuracy or completeness of the data. The user is advised to verify the data for accuracy and completeness before using it for any purpose. The U.S. Army Corps of Engineers is not responsible for any errors or omissions in this report. The user is advised to consult the U.S. Army Corps of Engineers for more information.

Submitted By:	RYLAND/DAMAS
Reviewed By:	AO
Checked By:	TC

**ATCHAFALAYA RIVER
 BAR CHANNEL
 AR_04_BAR_20160413
 13 April 2016**

**Sheet Reference Number
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