



LEGEND	
--- Federal Navigation Channel	○ Cable Area
— Federal Navigation Center Line	□ Placement Area
— As-built Pipeline/Cable	⊠ Anchorage Area
⋯ Unconfirmed Pipeline/Cable	⊞ Obstruction Point
— Project Depth Contour	✈ Wrecks-Submerged
3 Fluff Thickness (feet)*	★ Beacon, General
● Shoalest Sounding**	★ Red Navigation Buoy
◆ Green Navigation Buoy	

NOTES:
 Horizontal Coordinate System:
 North American Datum of 1983 (NAD83), projected to the State Plane
 Coordinate System (SPCS), Louisiana South Zone. Distances units in U.S. Survey Feet.
 Vertical Datum:
 Soundings are shown in feet and indicate depths below Mean Lower Low Water Datum (MLLW).
 Datum Relationships for gage 73650 as of December 2013:
 0.0' NAVD88 (2009.55) = 1.3' MLLW = 2.3' MLG or 0.0' MLLW = 1.0' MLG
 Distances on the Calcasieu River are shown at 1 mile intervals.
 The location of navigation aids are based on and provided by the U.S. Coast Guard
 and USACE survey crews.
 2015 Aerial Photography data source: NAIP
 Reference is N.O.A.A. Navigation Chart No. 11339.
 * 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 fathometer
 settings.

DISCLAIMER: The United States Government furnishes the data presented in this chart for general information only. It is not to be used for any purpose other than that intended by the United States Government. The United States Government makes no warranty, express or implied, for the accuracy, reliability, or completeness of the information presented in this chart. The user is responsible for the accuracy of the information presented in this chart. The user is responsible for the accuracy of the information presented in this chart. The user is responsible for the accuracy of the information presented in this chart.

US Army Corps of Engineers
 District: CEMVW

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Surveyed By: SPPS
 Plotted By: BD
 Checked By: AO

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