



US Army Corps of Engineers
District: CEMVN

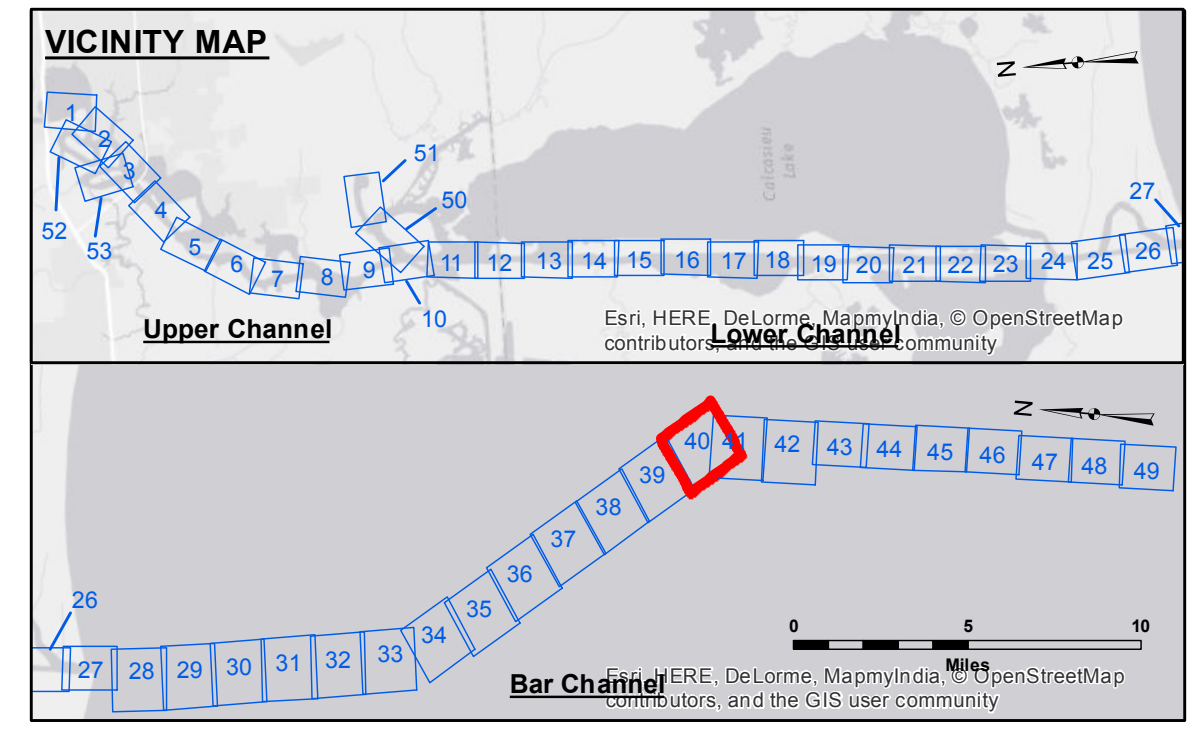
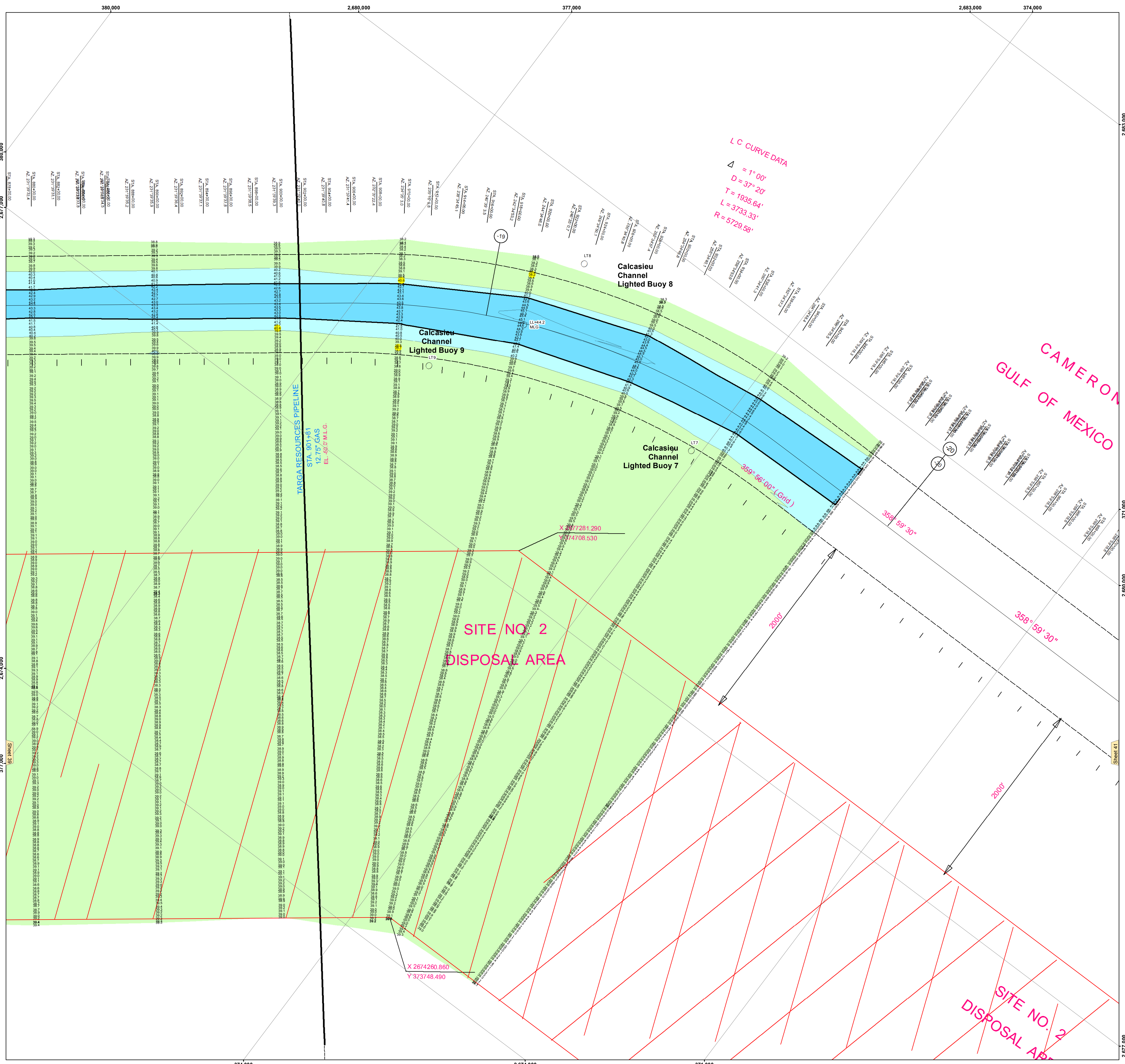
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U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT
Surveys By: PS, JH
Plotted By: BTJ
Checked By: JAF
Chief, Survey Section
Chief, Waterways Maintenance Section

CALCASIEU SHIP CHANNEL
BAR SHEET 40
CR_40_BARX_20140930
30 September 2014

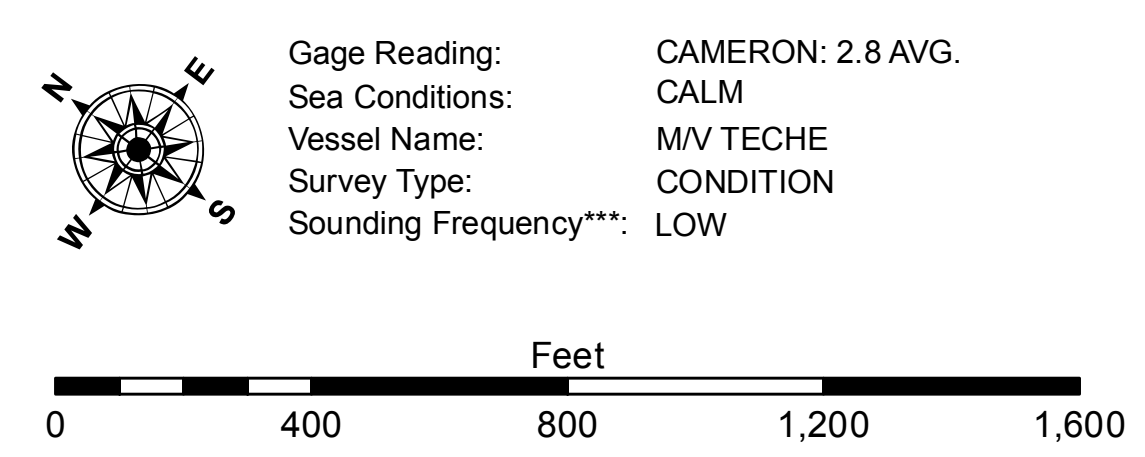
Sheet Reference Number
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Revision Number:
3.0 (20140930)



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' to -25'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	★ Red Navigation Buoy	■ -25' to -32'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -32' to -38'
			■ -38' to -40'
			■ -40' to -42'
			■ -42' and below



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 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.
2010 Aerial Photography data source: NAIP
Reference is N.O.A. Navigation Chart No. 11339.
** 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 fishnetter settings.