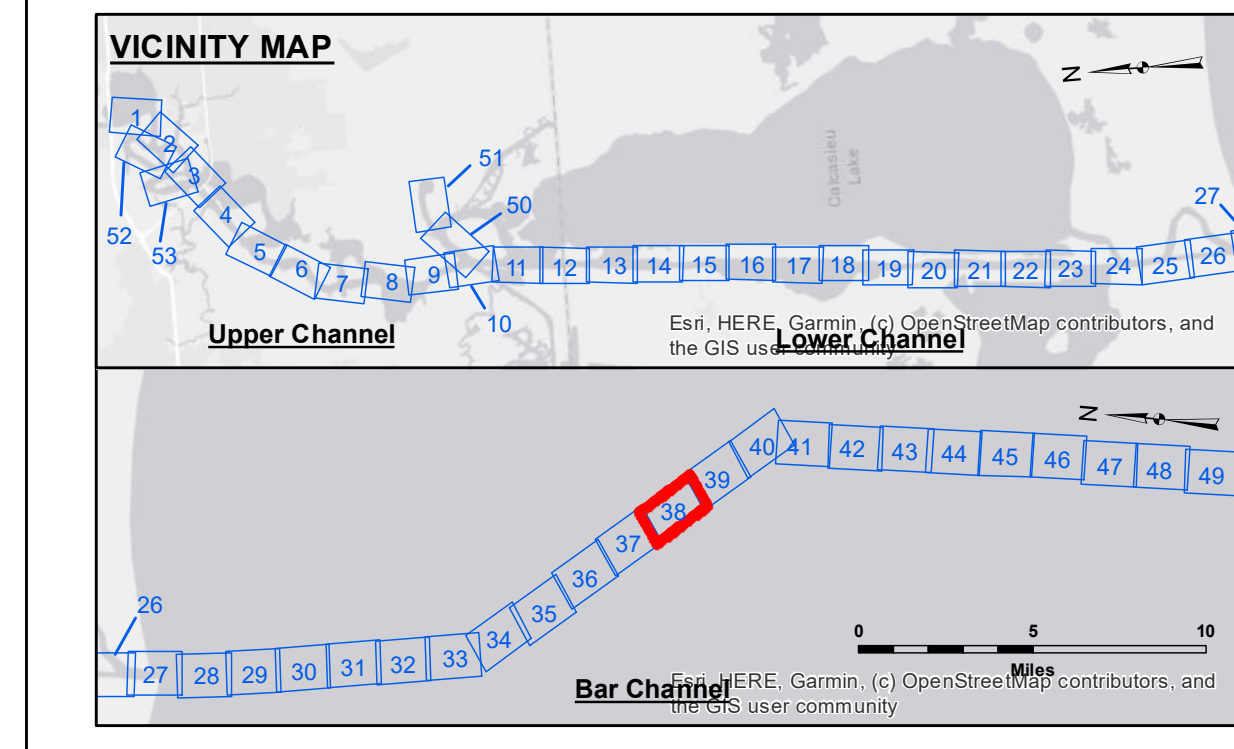
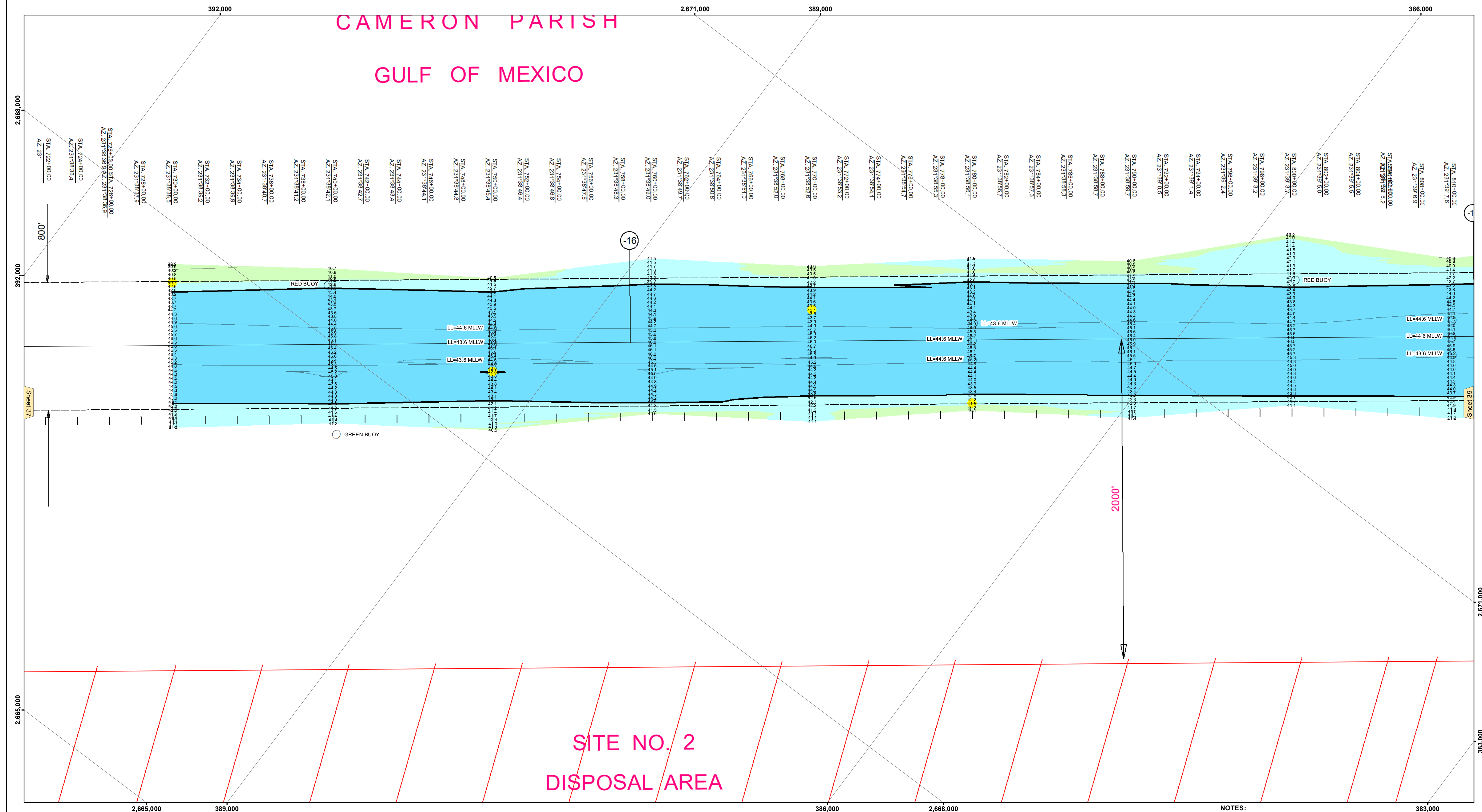


CAMERON PARISH
GULF OF MEXICO



LEGEND					
	Federal Navigation Channel		Fluff Thickness (feet)*		-16' and above
	Federal Navigation Center Line		Shoalest Sounding**		-16' to -21'
	As-built Pipeline/Cable		★ Beacon, General		-21' to -26'
	Unconfirmed Pipeline/Cable		♦ Red Navigation Buoy		-26' to -33'
	Project Depth Contour		♦ Green Navigation Buoy		-33' to -39'
	Cable Area				-39' to -41'
	Placement Area				-41' to -43'
	Anchorage Area				-43' and below
	Obstruction Point				
	Wrecks-Submerged				

Gage Reading: CAMERON: 1.4 MLLW 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 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 base 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.

Submittal:	Surveyed By:	RYLAND/ADAMS
	Plotted By:	AO
	Recommended:	Chief, Survey Section
	Approved:	Chief, Waterways Maintenance Section

**CALCASIEU SHIP CHANNEL
 BAR SHEET 38
 CR_38_BAR_20191205_CS
 05 December 2019**

**Sheet Reference Number
 38 of 53**

Revision Number: 4.0-20190702

DISCLAIMER:
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