

GULF OF MEXICO

351° 50'

352° 49' 30" (Grid)

LC CURVE DATA
 $\Delta = 30^\circ 13'$
 $D = 1^\circ 00'$
 $T = 1546.85'$
 $L = 3021.67'$
 $R = 5729.58'$

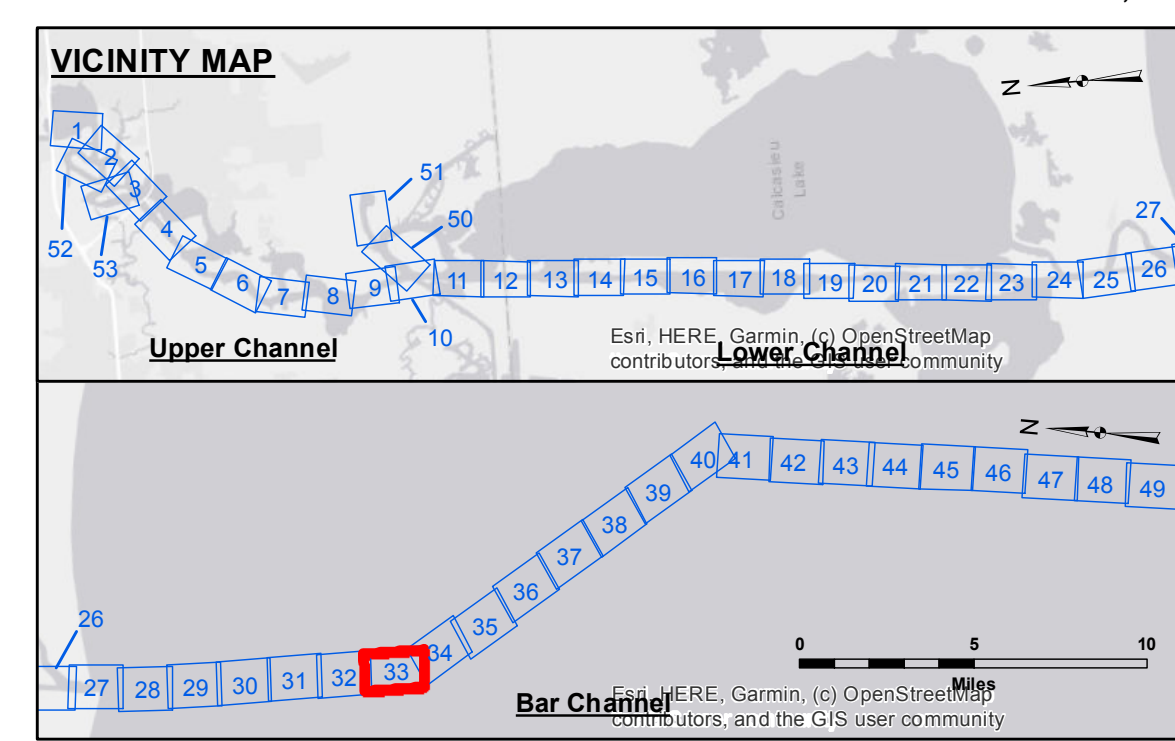
ENBRIDGE PIPELINE
 12" GAS/CONDENSATE

SITE NO. 1
 DISPOSAL AREA

X 2647438.450
 Y 416736.140

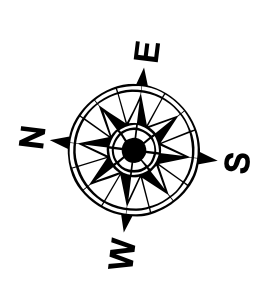
Sheet 32

Sheet 34

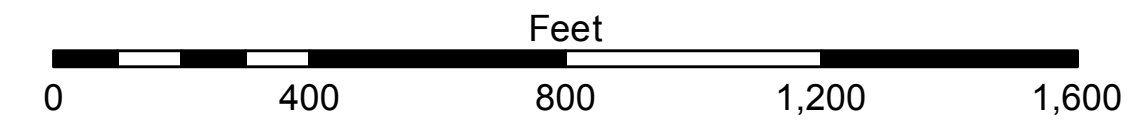


LEGEND

--- Federal Navigation Channel	○ Cable Area	3 Fluff Thickness (feet)*	-16' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	-16' to -21'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	-21' to -26'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	-26' to -33'
— Project Depth Contour	⚓ Wrecks-Submerged	◇ Green Navigation Buoy	-33' to -39'
			-39' to -41'
			-41' to -43'
			-43' and below



Gage Reading: NOAA CALC PASS: 1.6' MLLW AVG
 Sea Conditions: CALM
 Vessel Name: SV TURPIN
 Survey Type: CONDITION
 Sounding Frequency***: LOW



NOTES: 416,000
 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 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 these data and the recipient accepts and uses them with the express understanding that the Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, usability or availability for any particular purpose of the information furnished. The user is responsible for the results obtained from the use of this information. Application of the data for other than its intended purpose is prohibited.
 Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing bathymetry, sedimentation, and other factors. The user is responsible for the accuracy of the data used for any purpose.
 The information depicted on this map represents the results of a survey conducted on or after the date of publication. It is not intended to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: SWG
Recommended:	Plotted By: JHT
Checked By: JHT	Checked By: JHT
Approved:	Chief, Waterways Maintenance Section

**CALCASIEU SHIP CHANNEL
 BAR SHEET 33
 CR_33_BAR_20210902_CS_POSTIDA
 02 September 2021**

**Sheet Reference Number
 33 of 53**