

APPROXIMATE C/L STATION COORDINATES		
C/L STATION	X-COORDINATE	Y-COORDINATE
P.I. #1 372+08.85	3909089.663'	251898.575'
P.C. #1 387+69.67	3908463.268'	250508.431'
P.T. #1 399+43.87	3907772.659'	249578.599'
P.C. #2 408+30.36	3907064.719'	249045.046'
P.T. #2 428+60.47	3905580.073'	247665.679'
P.C. #3 437+41.80	3904999.381'	247002.698'
P.T. #3 459+42.97	3903270.195'	245662.663'
P.C. #4 467+91.46	3902512.594'	245280.595'
P.T. #4 482+55.10	3901303.642'	244462.639'
P.C. #5 505+00.80	3899619.13'	242977.52'
P.T. #5 517+18.49	3898524.71'	242486.89'

CURVE DATA NO. 1
 $\Delta = 32^\circ 47' 13.92''$
 $D = 247' 32.30''$
 $T = 603.66'$
 $L = 1,174.20'$
 $R = 2,051.92'$

CURVE DATA NO. 2
 $\Delta = 11^\circ 46' 51.96''$
 $D = 0^\circ 34' 49.15''$
 $T = 1,018.65'$
 $L = 2,030.11'$
 $R = 9,873.14'$

CURVE DATA NO. 3
 $\Delta = 22^\circ 01' 22.80''$
 $D = 1^\circ 00' 01.86''$
 $T = 1,114.34'$
 $L = 2,201.17'$
 $R = 5,726.62'$

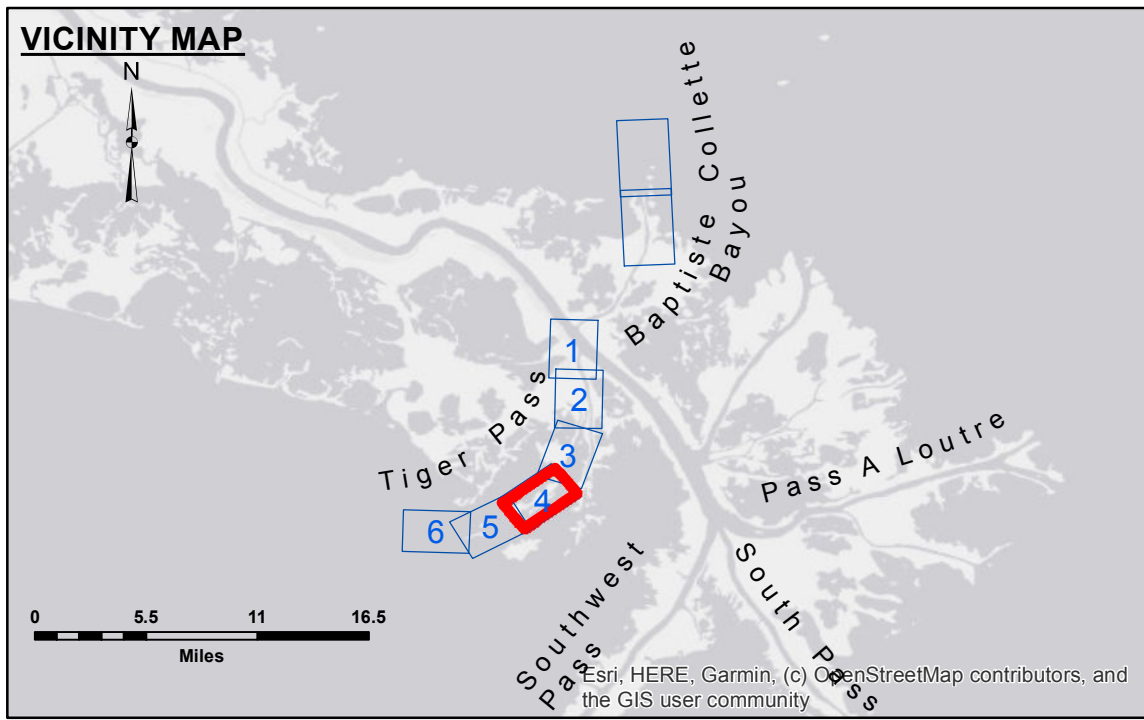
CURVE DATA NO. 4
 $\Delta = 14^\circ 38' 17.16''$
 $D = 0^\circ 00' 00.41''$
 $T = 735.83'$
 $L = 1,463.64'$
 $R = 5,728.93'$

CURVE DATA NO. 5
 $\Delta = 34^\circ 30' 28.80''$
 $D = 2^\circ 50' 02.04''$
 $T = 627.94'$
 $L = 1,217.69'$
 $R = 2,021.80'$

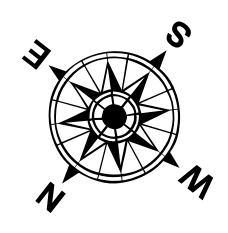


Access to Information: The data represented on this map is the result of a survey conducted for a specific project. The data is not to be used for any other purpose without the express written consent of the U.S. Army Corps of Engineers. The user is responsible for the accuracy, completeness, and reliability of the data. The user is not to be held liable for any damages or losses resulting from the use of this data. The user is not to be held liable for any damages or losses resulting from the use of this data. The user is not to be held liable for any damages or losses resulting from the use of this data.

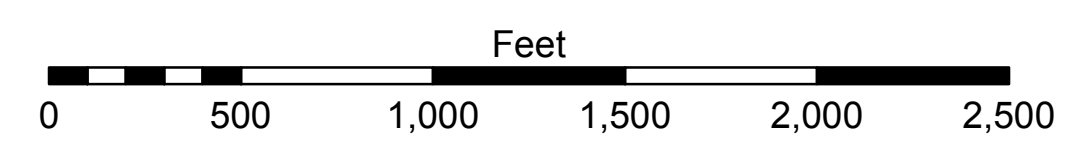
Submitted:	Surveyed By:
Recommended:	RYLAND/SONNER
Approved:	Plotted By:
	BD
	Checked By:
	AC



LEGEND			
--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ 0' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -4' to 0'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -4' to -8'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -8' to -10'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -10' to -12'
			■ -12' to -16'
			■ -16' and below



Gage Reading: V.6.2DM17:3.2 USED:3.8 MLG
 Sea Conditions: CHOPPY
 Vessel Name: OB-189
 Survey Type: CONDITION
 Sounding Frequency***: HIGH



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 as of 01 May 2013: 0.0' MLLW (2002-2006) = 0.0' NAVD88 (2009.55) = 3.0' MLG
 Distances on Tiger Pass are shown at 1 mile intervals.
 The location of navigation aids are based on and provided by the U.S. Coast Guard.
 2019 Aerial Photography data source: P.A.R. LLC
 Reference is N.O.A.A. Navigation Chart No. 11353.
 ** 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.

**MISS. RIVER OUTLETS AT VENICE
 TIGER PASS
 OV_04_TIG_20190130_CS
 30 January 2019**

**Sheet Reference Number
 4 of 6**