

APPROXIMATE C/L STATION COORDINATES

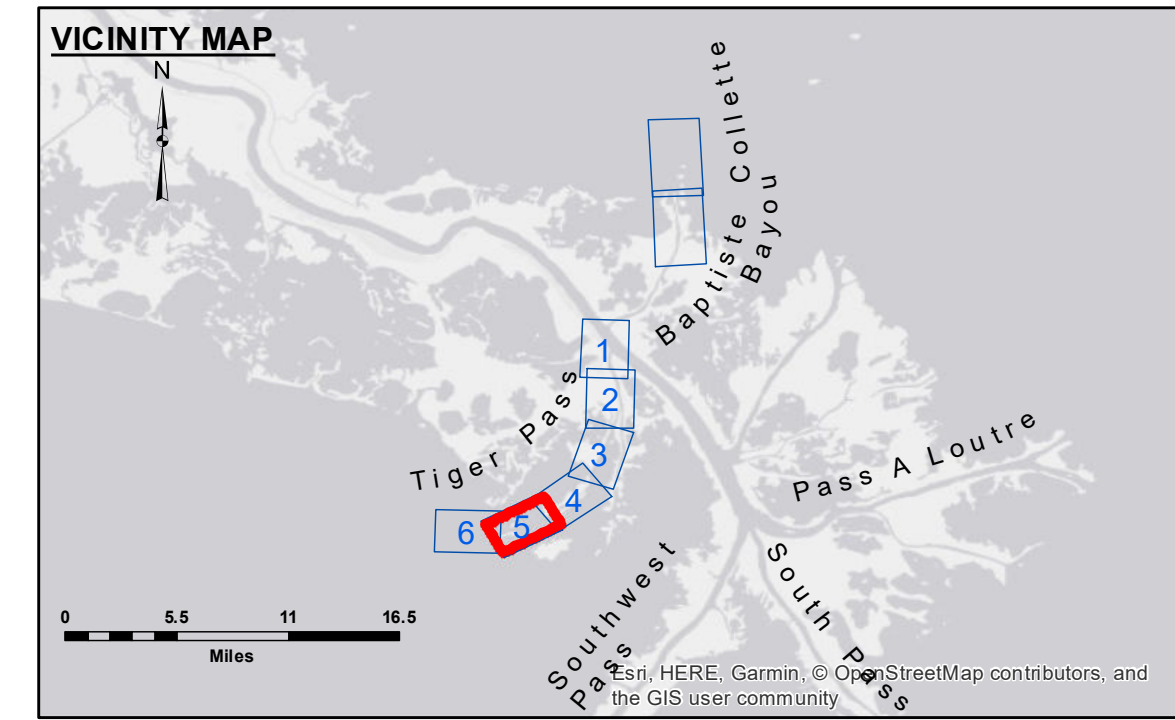
C/L STATION	X-COORDINATE	Y-COORDINATE
P.C. #5 505+00.80	3899619.135'	242977.518'
P.T. #5 517+18.49	3898524.712'	242486.892'
P.C. #6 528+32.09	3897438.925'	242355.537'
P.T. #6 563+94.07	3894190.230'	240967.094'
P.C. #7 579+05.80	3893024.990'	240003.998'
P.T. #7 591+96.92	3891946.049'	239299.828'
P.C. #8 624+18.83	3889067.344'	237852.845'

CURVE DATA NO. 5
 $\Delta = 34.302860^\circ$
 $D = 2502.04'$
 $T = 271.94'$
 $L = 217.69'$
 $R = 2,021.80'$

CURVE DATA NO. 6
 $\Delta = 32.405484^\circ$
 $D = 05503.07'$
 $T = 1,930.91'$
 $L = 3,561.98'$
 $R = 6,244.63'$

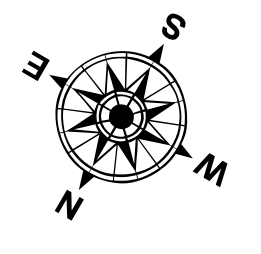
CURVE DATA NO. 7
 $\Delta = 12.531716^\circ$
 $D = 05953.56'$
 $T = 648.30'$
 $L = 1,291.12'$
 $R = 5,739.84'$

CURVE DATA NO. 8
 $\Delta = 25.445172^\circ$
 $D = 09000.15'$
 $T = 2,618.77'$
 $L = 5,149.11'$
 $R = 11,458.18'$

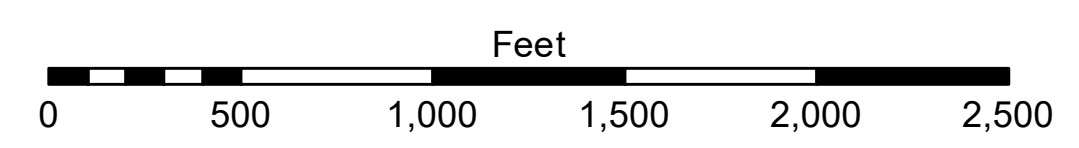


LEGEND

--- 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: VENICE: 6.15 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) = 3.5' 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. 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.



DISCLAIMER: The data represents the results of data collection performed for a specific US Army Corps of Engineers project and is only valid for the intended use, control, time and accuracy specifications. The user is responsible for the results. The application of the data for other than its intended purpose is at the user's risk. Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and other channel changes. The US Army Corps of Engineers does not assume any liability for changes in the hydrographic conditions when developed after the date of the survey. Product maintainers should not rely solely upon it.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted:	Surveyed By: RYLAND/SONNER
Recommended: Chief Survey Section	Plotted By: BD
Approved: Chief Waterways Maintenance Section	Checked By: AC

**MISS. RIVER OUTLETS AT VENICE
 TIGER PASS
 OV_05_TIG_20190130_CS
 30 January 2019**

**Sheet Reference Number
 5 of 6**