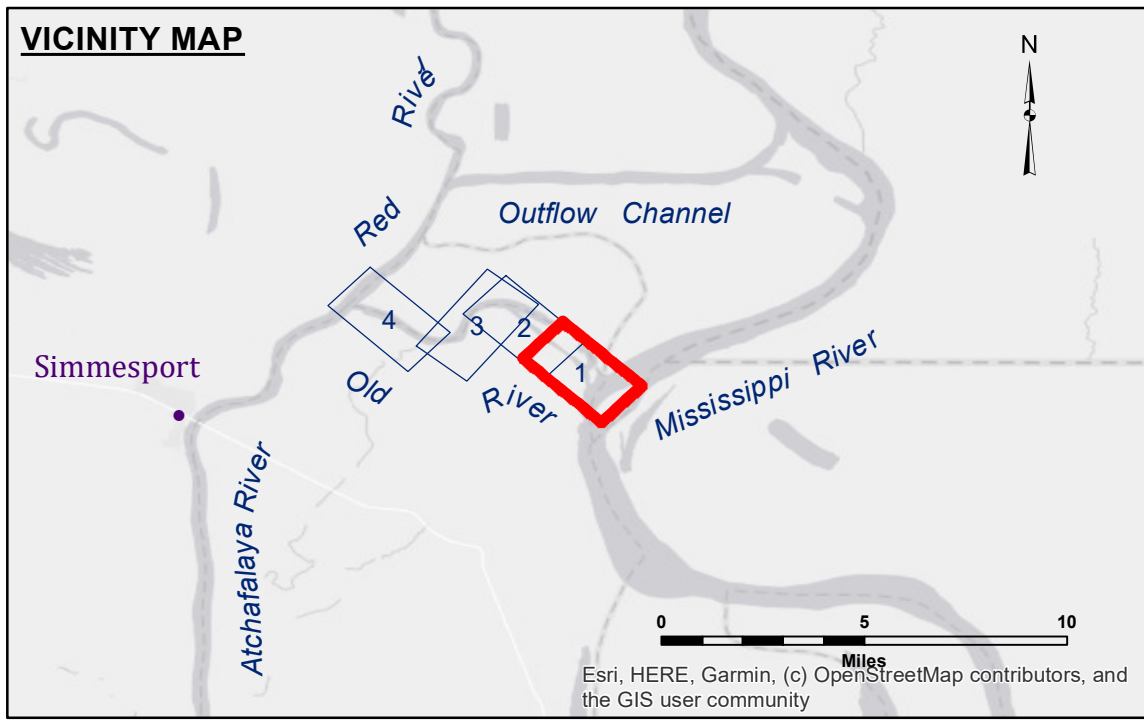
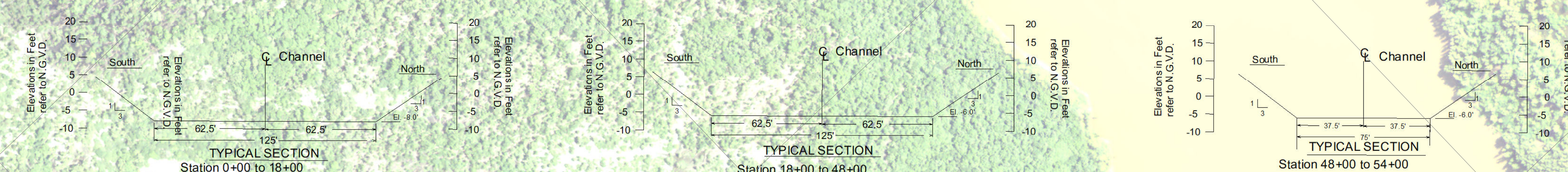


TABLE OF COORDINATES

POINT NO.	X	Y
1	3177319.136	905485.019
2	3177078.443	907480.021
3	3176613.880	908417.707
4	3175807.880	909200.672
5	3175359.699	909636.057

CURVE #1 DATA
 $\Delta = 38^{\circ}56'46.430''$
 $D = 3^{\circ}39'00''$
 $R = 1569.53$
 $T = 555.00$
 $L = 1066.87$
 $LC = 1046.46$



LEGEND

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

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 National Geodetic Vertical Datum of 1929 (NGVD29).
 The location of navigation aids are based on and provided by the U.S. Coast Guard. Positions of navigation aids shown may also have been surveyed in the field by USACE.
 2010 Aerial Photography data source: NAIP. 1998 DOQQ imagery shown in green from USGS.
 Reference is N.O.A.A. Navigation Chart No. 11354.
 ** 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.

Gage Reading: ORL FORBAY: 45.50 NGVD
 Sea Conditions: CALM
 Vessel Name: OB-189
 Survey Type: CONDITION
 Sounding Frequency***: HIGH



DISCLAIMER:
 The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not warranted for accuracy, completeness, or reliability for any purpose other than that for which they were provided. The user is responsible for the accuracy, completeness, and reliability of the data for other than its intended purpose. Data Constants Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrographic conditions. The recipient may not transfer the data to other users without the express written consent of the Army Corps of Engineers. The recipient is responsible for the accuracy of the data and the recipient shall not be held liable for any errors or omissions in the data. The recipient shall not be held liable for any errors or omissions in the data. The recipient shall not be held liable for any errors or omissions in the data. The recipient shall not be held liable for any errors or omissions in the data.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted:	Surveyed By: RY-LAND/SOUKI
Recommended: Chief, Survey Section	Plotted By: BD
Approved: Chief, Waterways Maintenance Section	Checked By: AC

OLD RIVER LOCK VICINITY
OLD RIVER LOCK FOREBAY
OR_01_LFB_20191212_CS
12 December 2019

Sheet Reference Number
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