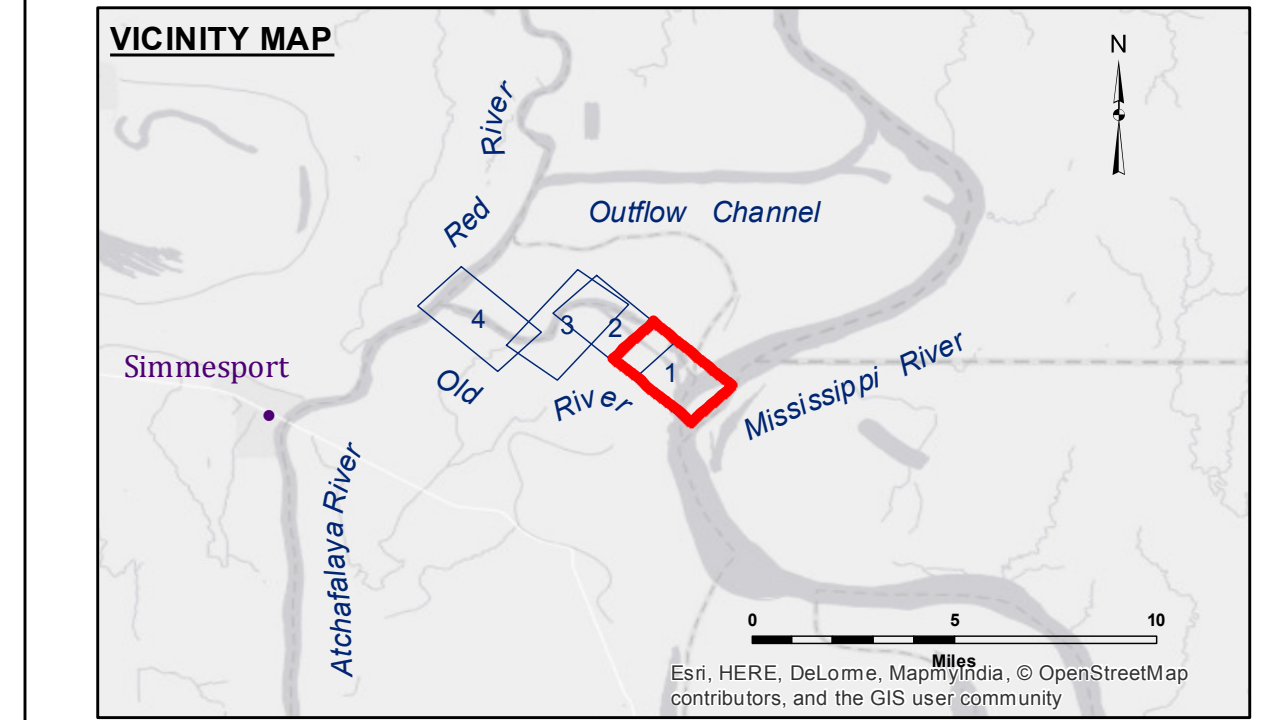
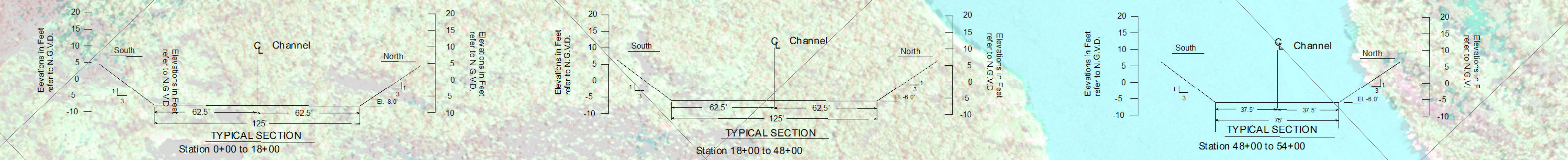


TABLE OF COORDINATES

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	

Compass rose and scale bar (0 to 1,500 Feet).  
 Gage Reading: ORL FB: 30.80 NGVD  
 Sea Conditions: CALM  
 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 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.

US Army Corps of Engineers  
 District: CEMVN

**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 any purpose other than that for which they were prepared. The user is responsible for the results of the application of the data for other than its intended purpose. The application of the data for other than its intended purpose may result in injury to persons or property. The user shall indemnify and hold the United States Government harmless for any damages or claims for damages resulting from the application of the data for other than its intended purpose. The information depicted on this map represents the results of a survey conducted under contract to the United States Army Corps of Engineers and is not to be used for any purpose other than that for which it was prepared. The user is responsible for the results of the application of the data for other than its intended purpose. The information depicted on this map represents the results of a survey conducted under contract to the United States Army Corps of Engineers and is not to be used for any purpose other than that for which it was prepared.

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

Submitted:	Surveyed By: DR,JA
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\_20160913  
 13 September 2016

**Sheet Reference Number**  
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