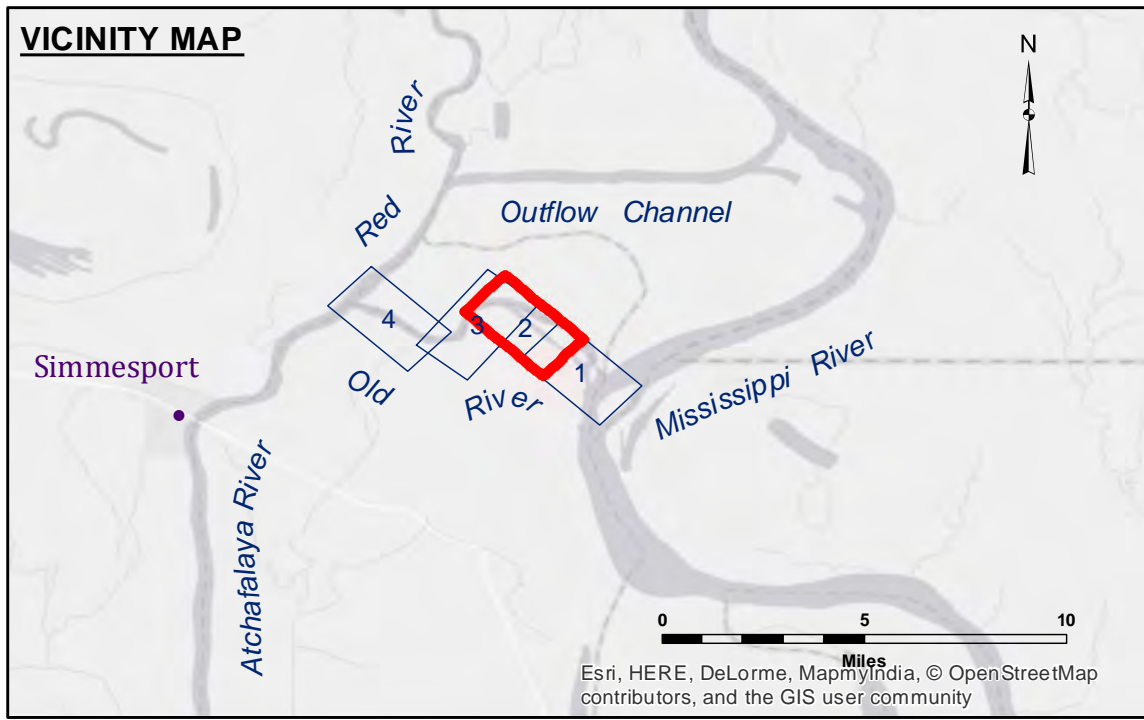
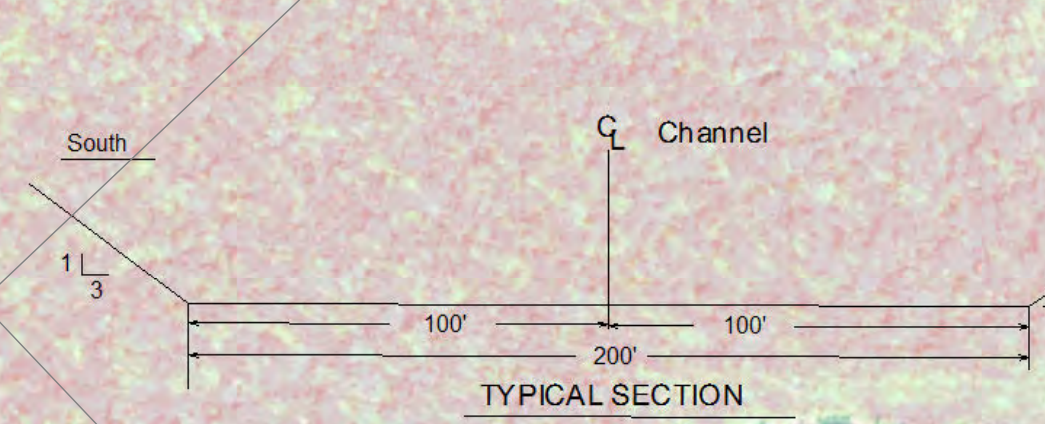
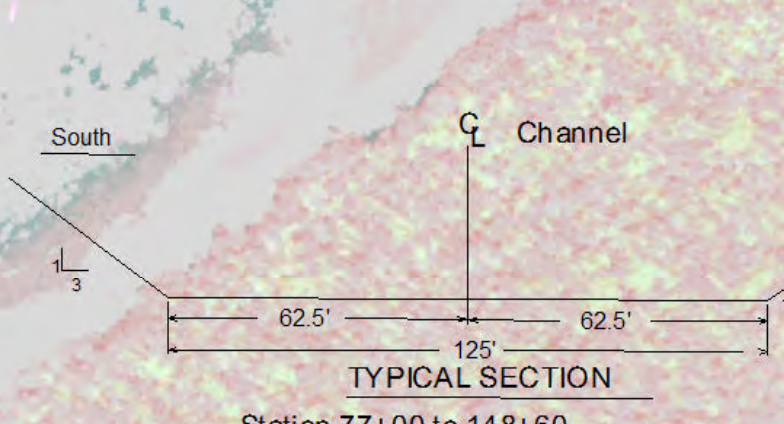
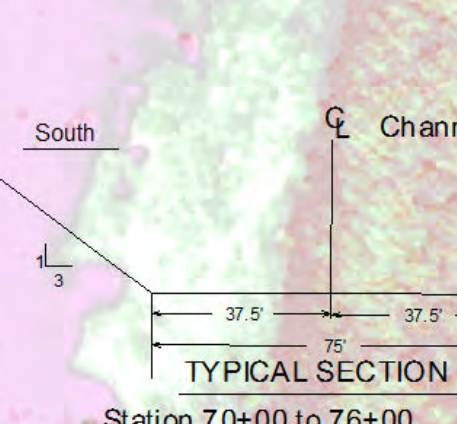


TABLE OF COORDINATES

| POINT NO. | X | Y |
|-----------|-------------|------------|
| 1 | 3173799.847 | 911152.012 |
| 2 | 3173757.630 | 911193.041 |
| 3 | 3168453.395 | 916211.660 |
| 4 | 3166622.631 | 916698.836 |
| 5 | 3165637.125 | 916460.188 |

CURVE #2 DATA
 $\Delta = 57^\circ 1' 33.760''$
 $D = 2^\circ 53' 13.2''$
 $R = 1984.33$
 $T = 1974.99$
 $LC = 1894.48$



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 TB: 13.2 NGVD
 Sea Conditions: CALM
 Vessel Name: M/V OB 189
 Survey Type: CONDITION
 Sounding Frequency***: LOW

Feet
 0 500 1,000 1,500



DISCLAIMER: The data represents the results of data collection performed for a specific U.S. Army Corps of Engineers project and is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results and accuracy of the data for other than its intended purpose. Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and other factors. The user is responsible for changes in the hydrographic conditions when developing the data of a project. The information depicted on this map represents the results of a survey conducted on the date shown and is not intended to represent the general condition existing at that time.

**U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT**

| | |
|--------------|--------|
| Submitted: | DR, SR |
| Recommended: | AO |
| Approved: | AN |

**OLD RIVER LOCK VICINITY
 OLD RIVER LOCK TAILBAY
 OR_02_LTB_20150825
 25 August 2015**

**Sheet Reference Number
 2 of 4**