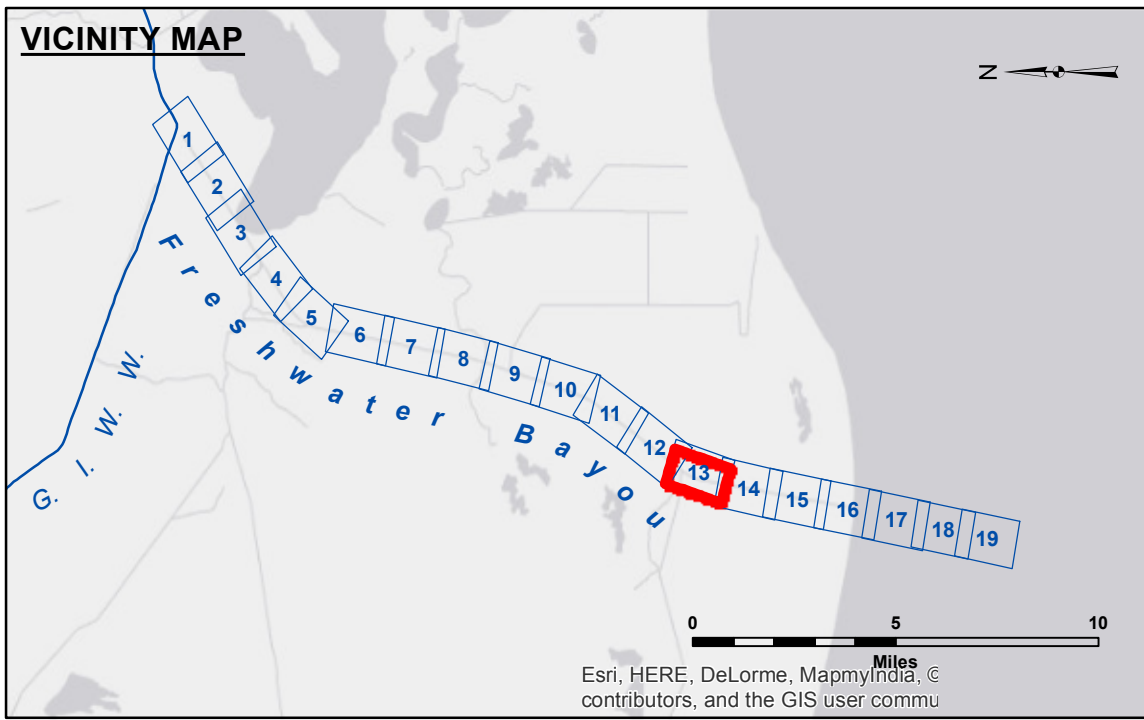
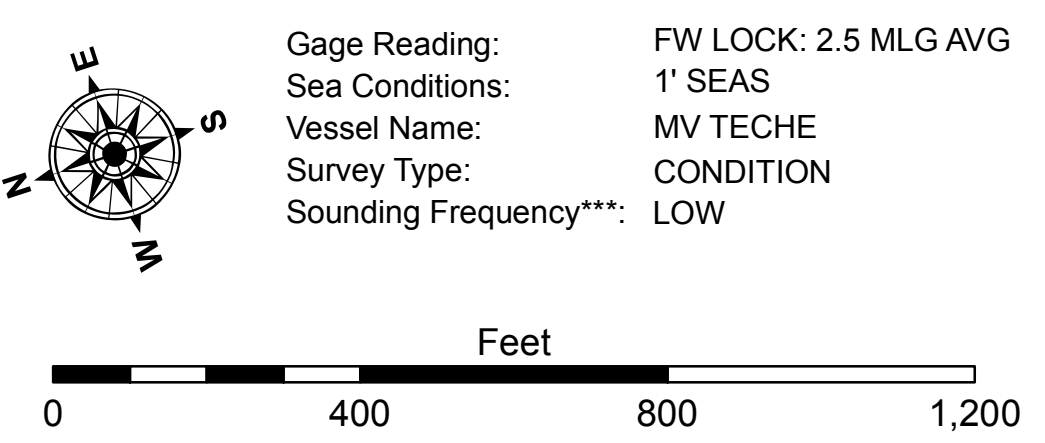


**C.L. CURVE DATA**  
 $\Delta = 24^{\circ}10'$   
 $D = 1^{\circ}$   
 $T = 1226.60'$   
 $L = 2416.72'$   
 $R = 5929.58'$



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



Gage Reading: FW LOCK: 2.5 MLG AVG  
 Sea Conditions: 1' SEAS  
 Vessel Name: MV TECHE  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: LOW

**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 for gage 76592 / 76593 as of August 2011:  
 0.0' NAVD83 (2006.81) = 0.9' MLLW = 1.9' MLG or 0.0' MLLW = 1.0' MLG  
 Distances on the Freshwater Bayou are shown at 1 mile intervals.  
 The location of navigation aids are base on and provided by the U.S. Coast Guard and USACE survey crews.  
 2015 Aerial Photography data source: NAIP  
 Reference is N.O.A. Navigation Chart No. 11350.  
 \*\* 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.



**Access/Use:** The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that they are not to be used for any purpose other than that for which they were prepared, or implied concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the recipient. The user is responsible for the results of any use of these data. The United States Government does not warrant, represent or make any statement as to the accuracy, completeness, reliability, usability or suitability of these data for any other purpose.  
**Data Constraints:** Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and other changes in the channel. The recipient may not transfer these data to others without also transferring this Disclaimer. The information depicted on this map represents the results of a survey conducted on the date shown and is not to be considered a representation of the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: JA, JH	Plotted By: AO
Recommended:	Chart, Survey Section	Checked By: AO
Approved:	Chart, Waterways Maintenance Section	

**FRESHWATER BAYOU  
 LOWER CHANNEL  
 FB\_13\_LWR\_20170902\_CS\_POSTSTORM  
 02 September 2017**

**Sheet Reference Number  
 13 of 19**