

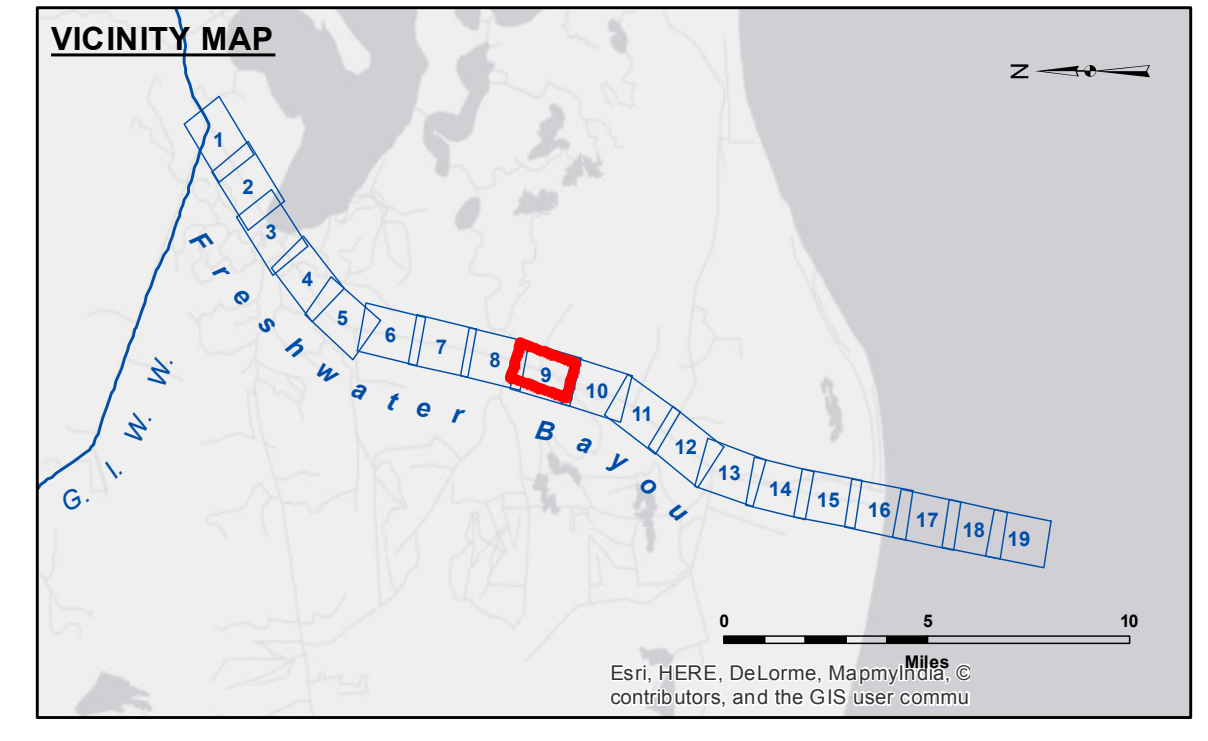
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Data: Constants Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, channel changes, and changes in bathymetry. The user is responsible for the results obtained. The user is responsible for the results obtained. The user is responsible for the results obtained.

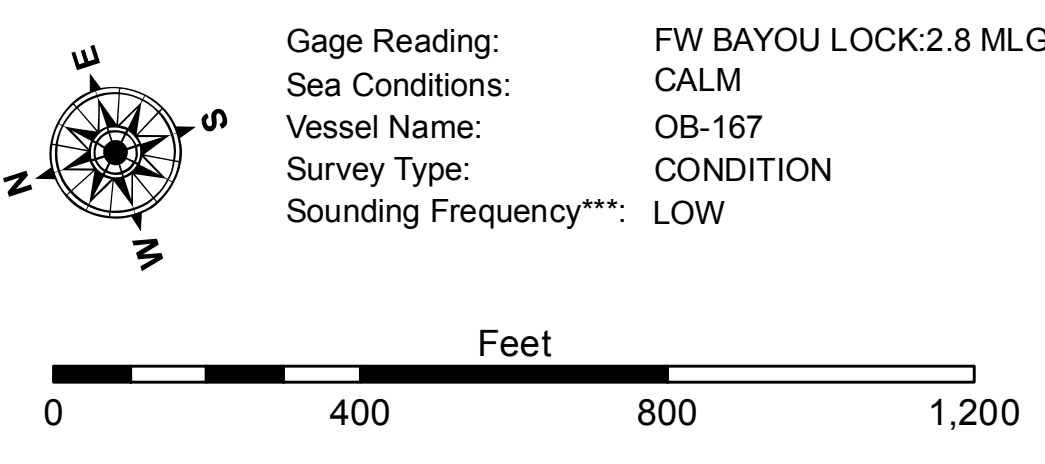
Submitted:	Surveyed By:	SPPM
Recommended:	Plotted By:	BTJ
Approved:	Chief, Survey Section	
	Chief, Waterways Maintenance Section	TAF

**FRESHWATER BAYOU
LOWER CHANNEL
FB_09_LWR_20150605
05 June 2015**



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	



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.
2010 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.

**Sheet Reference Number
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Revision Number: 3.8-0-20150202