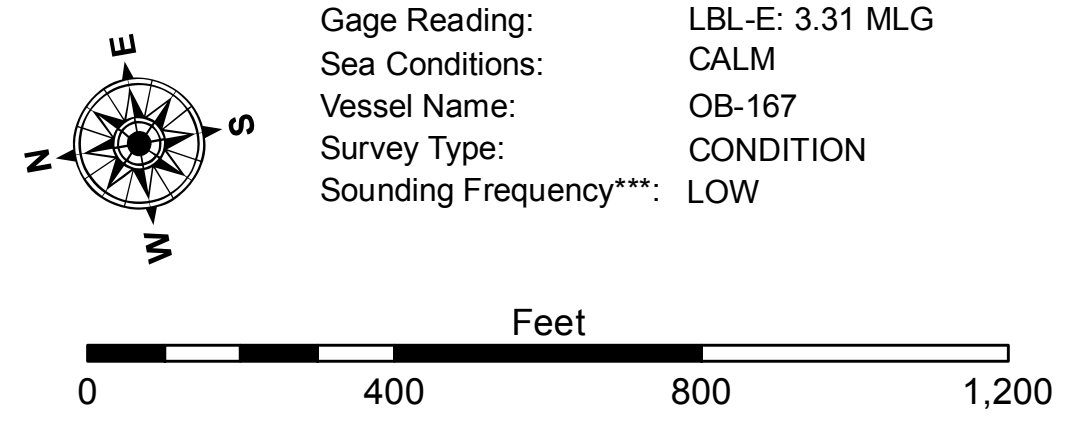


- | | | | |
|--------------------------------|-------------------|-----------------------|----------------|
| Federal Navigation Channel | Cable Area | Borrow Area | -12' and above |
| Federal Navigation Center Line | Placement Area | Shoalest Sounding** | -12' and below |
| As-built Pipeline/Cable | Anchorage Area | Beacon, General | |
| Unconfirmed Pipeline/Cable | Obstruction Point | Red Navigation Buoy | |
| Project Depth Contour | Wrecks-Submerged | Green Navigation Buoy | |



Gage Reading: LBL-E: 3.31 MLG
 Sea Conditions: CALM
 Vessel Name: OB-167
 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.
 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.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted: _____	Surveyed By: SPPM
Recommender: Chief, Survey Section	Plotted By: BD
Approved: Chief, Waterways Maintenance Section	Checked By: AC

**FRESHWATER BAYOU
 UPPER CHANNEL
 FB_06_UPR_20161019
 19 October 2016**

**Sheet
 Reference
 Number
 6 of 19**

Sheet 5

Sheet 7

ACCESS LIMITS
 The information depicted on this map represents the results of a survey conducted under contract to the U.S. Army Corps of Engineers. The data is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose. Application of the data for other than its intended purpose is at the user's risk. The user is responsible for the results of any application of the data for other than its intended purpose.
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