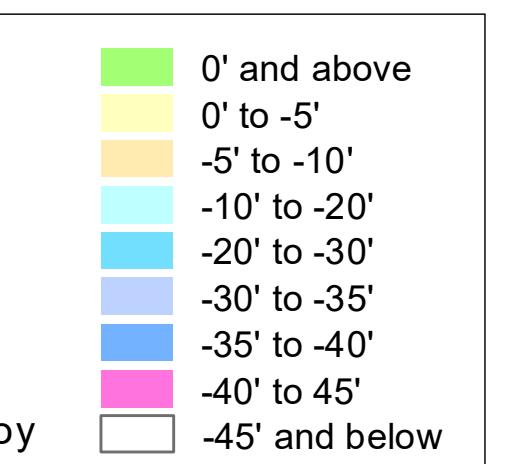


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LEG

- Federal Navigation Channel
  - Federal Navigation Center Line
  - As-built Pipeline/Cable
  - ..... Unconfirmed Pipeline/Cable
  - Project Depth Contour
  - ○ Cable Area
  - Placement Area
  - [—] Anchorage Area
  - ⊗ Obstruction Point
  - ↗ Wrecks-Submerged
  - Borrow Area
  - Shoalest Sounding\*\*
  - ★ Beacon, General
  - ◆ Red Navigation Buoy
  - ◆ Green Navigation Buoy




 LWRP: 1.2  
 Gage Reading: D:14.2 R:10.5 USED:12.10 NAVD  
 Sea Conditions: CALM  
 Vessel Name: OB-189  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: HIGH

Feet


 0 500 1,000 1,500 2,000 2,500

**ES:**

ontal Coordinate System:  
American Datum of 1983 (NAD83), projected to the State Plane  
Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.

cal Datum:  
ddings are shown in feet and indicate depths below Low Water Reference Plane 2007 (NAVD).

ances on the Mississippi River, above and below Head of Passes are shown  
nile intervals.

ocation of navigation aids are base on and provided by the U.S. Coast Guard and USACE crew.

Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.

rence is N.O.A.A. Navigation Chart No. 11370.

oalest Sounding per Quarter per Reach.

igh frequency (200 kHz) survey data represents the first signal return at a sounding  
on and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz)  
y data normally penetrates through this "fluff" layer to depict elevations of consolidated bottom  
rial. Low frequency accuracies may vary depending on channel conditions and fathometer  
gs.

**Sheet  
Reference  
Number**

Division Number:  
20191105