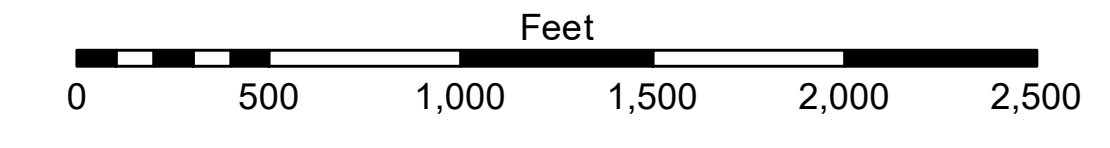
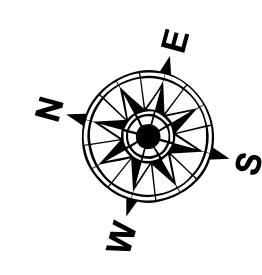


| LEGEND |                                |  |                       |
|--------|--------------------------------|--|-----------------------|
|        | Federal Navigation Channel     |  | Placement Area        |
|        | Federal Navigation Center Line |  | Borrow Area           |
|        | As-built Pipeline/Cable        |  | Shoalest Sounding**   |
|        | Unconfirmed Pipeline/Cable     |  | Beacon, General       |
|        | Project Depth Contour          |  | Red Navigation Buoy   |
|        | Obstruction Point              |  | Green Navigation Buoy |
|        | Cable Area                     |  | -5' and above         |
|        | Anchorage Area                 |  | -5' to -10'           |
|        | Wrecks-Submerged               |  | -10' to -15'          |
|        |                                |  | -15' to -20.5'        |
|        |                                |  | -20.5' and below      |



Gage Reading: 1.1 MLLW @ HEAD OF PASSES @ 1015  
 Sea Conditions: CALM  
 Vessel Name: OB-173  
 Survey Type: CONDITION, SB  
 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 Lower Low Water (MLLW). Datum Relationships for gage 01545 as of March 2020: 0.0' NAVD88, 2020 = -0.32' MLLW  
 Distances on the Mississippi River, above and below Head of Passes are shown at 1 mile intervals.  
 The location of navigation aids are base on and provided by the U.S. Coast Guard.  
 2022 Aerial Photography data source: Optimal GEO (1998 DOQQ in green)  
 Reference is N.O.A. Navigation Chart No. 11361.  
 \*\* 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.



**DISCLAIMER:** The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not warranted for any purpose other than that for which they were prepared, or implied concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the recipient. The user is responsible for the results obtained from the use of the data for other than the intended purpose.  
 Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. The data is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results obtained from the use of the data for other than the intended purpose.  
 Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, channel migration, and changes in the physical characteristics of the river. The Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of the survey. The information depicted on the map represents the results of a survey conducted at the time the map was prepared. The information is considered to represent the general condition existing at that time.

| U.S. ARMY CORPS OF ENGINEERS<br>NEW ORLEANS DISTRICT |           |             |
|--|-----------|-------------|
| Submitted:   | JUC & LLB | Checked By: |
| Recommended:   | TSS       | Checked By: |
| Approved:  | MSK       | Checked By: |

**MISSISSIPPI RIVER - B.R. TO GULF  
 SOUTH PASS - SHEET 1  
 SP\_01\_SPS\_20230719\_CS  
 19 July 2023**

**Sheet Reference Number  
 1 of 6**

Revision Number:  
 4.2-202/04/20