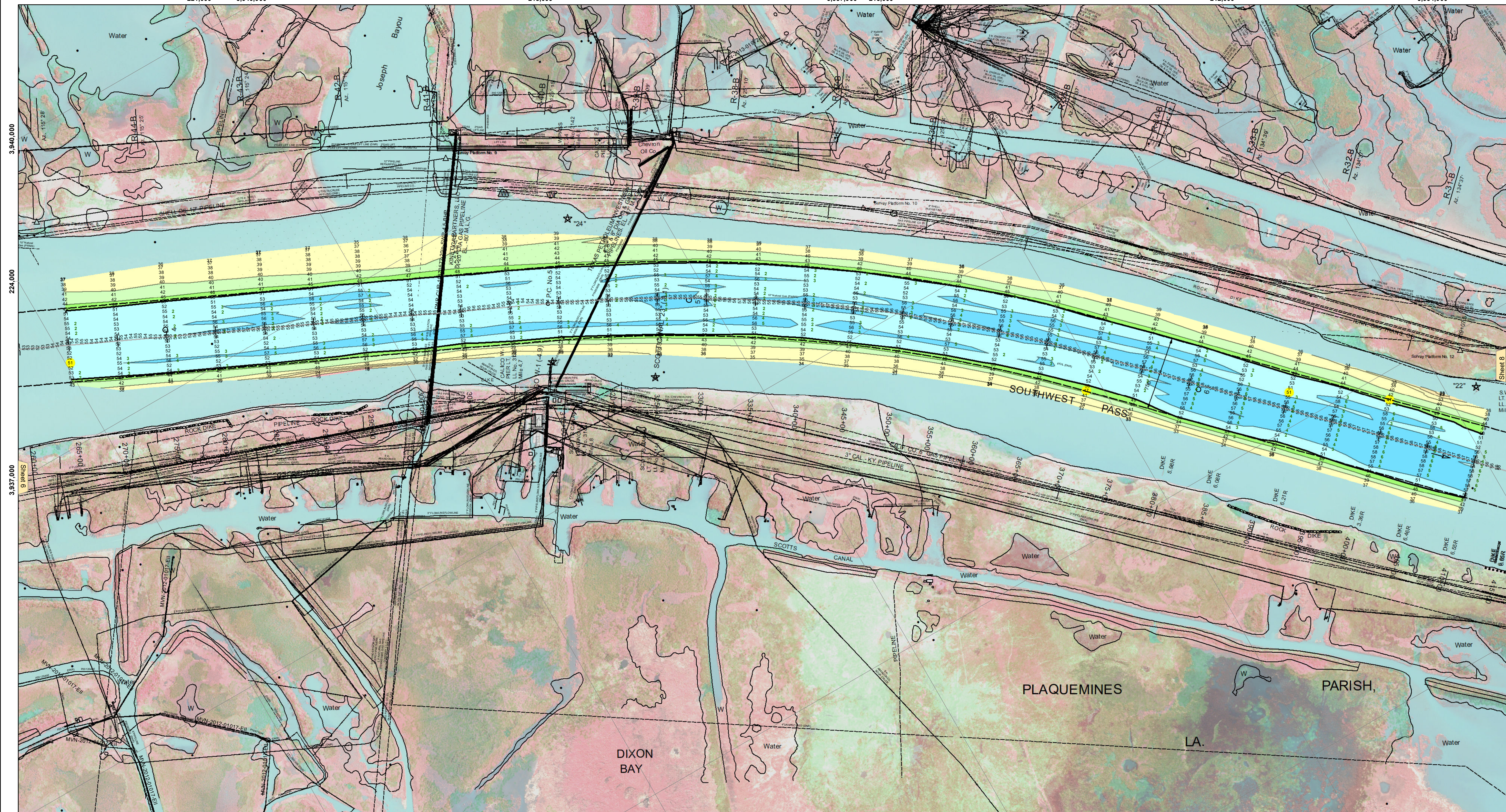
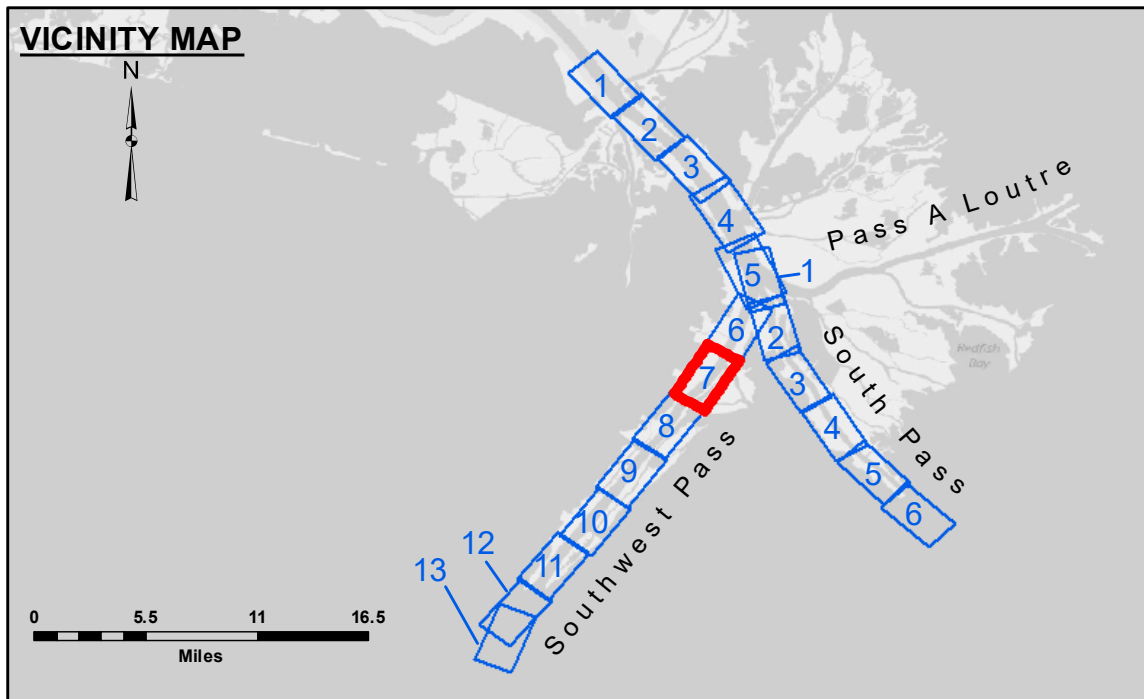


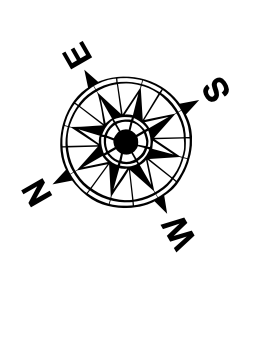
221,000 3,940,000 218,000 3,937,000 215,000 212,000 3,934,000



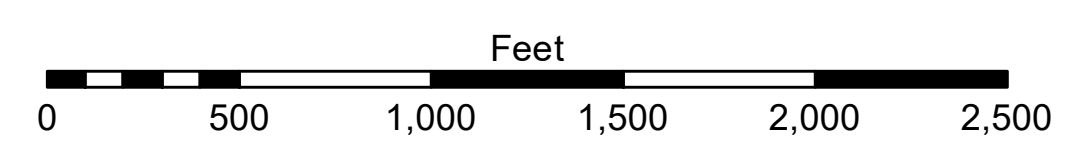
3,934,000 224,000 3,931,000 221,000 218,000 3,928,000 215,000



| LEGEND                           |                     | 3 Fluff Thickness (feet)* |                  |
|----------------------------------|---------------------|---------------------------|------------------|
| --- Federal Navigation Channel   | ● Cable Area        | ■ Borrow Area             | ■ -10' and above |
| — Federal Navigation Center Line | □ Placement Area    | ● Shoalest Sounding**     | ■ -10' to -20'   |
| — As-built Pipeline/Cable        | □ Anchorage Area    | ★ Beacon, General         | ■ -20' to -30'   |
| ..... Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy     | ■ -30' to -40'   |
| — Project Depth Contour          | ★ Wrecks-Submerged  | ◆ Green Navigation Buoy   | ■ -40' to -45'   |
|                                  |                     |                           | ■ -45' to -50'   |
|                                  |                     |                           | ■ -50' to -55'   |
|                                  |                     |                           | ■ -55' and below |



Gage Reading: 1.1 MLLW @ HEAD OF PASSES @ 0840  
 Sea Conditions: ROUGH  
 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, 12-16). Datum Relationships for gage 01545 as of March 2020: 0.0' NAVD88, 2009.55 = -0.32' MLLW = 3.18' MLG  
 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 (24 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 particular purpose, expressed or implied, and that the user is responsible for the results of any use of the data for other than the intended purpose.  
 The information depicted on this map represents the results of a survey conducted by the United States Army Corps of Engineers. The user is responsible for the results of any use of the data for other than the intended purpose. The information depicted on this map represents the results of a survey conducted by the United States Army Corps of Engineers. The user is responsible for the results of any use of the data for other than the intended purpose.

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

**MISSISSIPPI RIVER - B.R. TO GULF  
 SOUTHWEST PASS - SHEET 7  
 SW\_07\_SWP\_20240627\_CS  
 27 June 2024**

**Sheet Reference Number  
 7 of 13**

Revision Number:  
4.2-202 (04/20)