

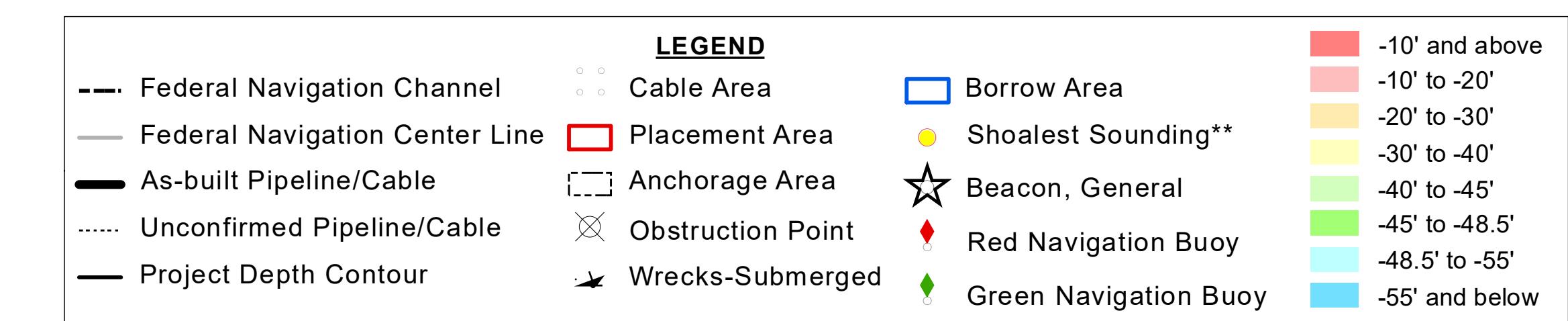
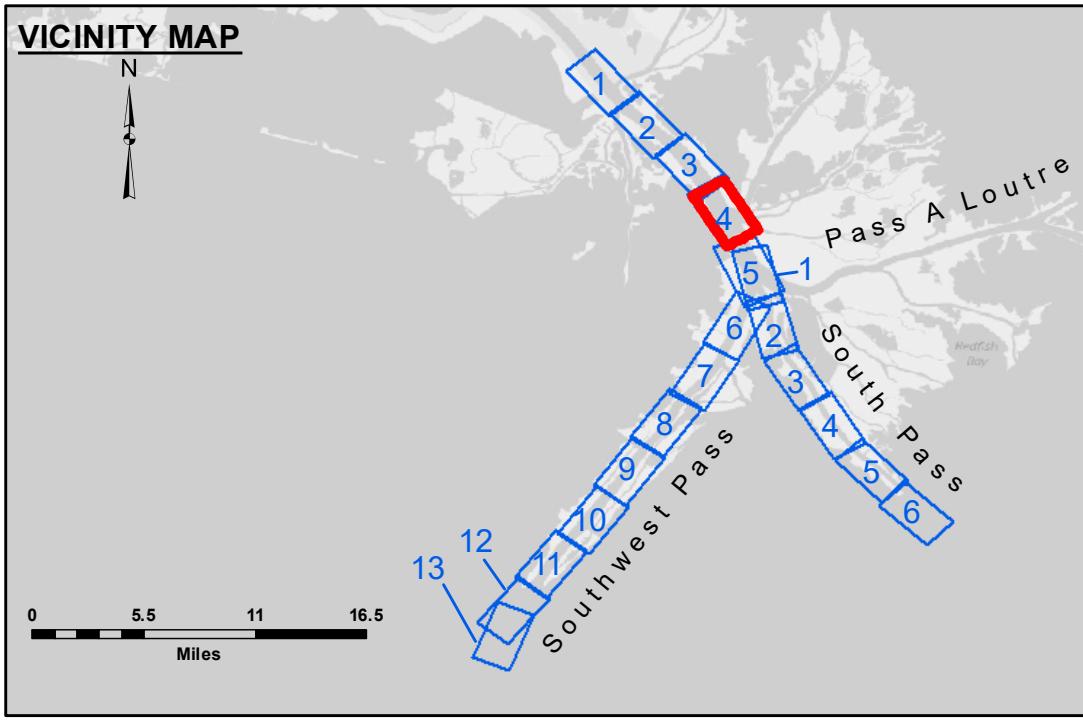
US Army Corps  
of Engineers  
District: CEMVN

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**DATA CONSTRAINTS** Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, Army Corps of Engineers actions, and changes in the hydrographic conditions which develop after the date of publication. The data is intended for U.S. Army Corps of Engineers internal use. Public release of the data is not intended.

U.S. ARMY CORPS OF ENGINEERS	
NEW ORLEANS DISTRICT	
Submitted:	Surveyed by: JTG & TIG
Recommended:	Protected by: RSL
Approved:	Checked by: MSK
One: Waterways Maintenance Section	One: Survey Section

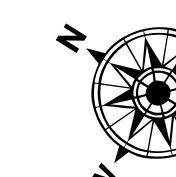
**MISSISSIPPI RIVER - B.R. TO GULF**  
**SOUTHWEST PASS - SHEET 4**  
**SW\_04\_SWP\_20180313\_CS**  
13 March 2018



**Gage Reading:** 1.9 MLLW @ PILOT TOWN @ 1000  
**Sea Conditions:** CHOPPY SEAS  
**Vessel Name:** JOHN BOPP  
**Survey Type:** CONDITION, SB  
**Sounding Frequency\*\*\*:** LOW

**Feet**

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



**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, 07-11).  
Datum Relationships for gage 01525 as of July 2015:  
0.0' NAVD88 = -0.3' MLLW = 3.20' 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.

2016 Aerial Photography data source: Precision Aerial Reconnaissance, LLC (1998 DOQQ in green)

Reference is N.O.A.A. Navigation Chart No. 11361.

\*\* Shoal 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.

**Sheet Reference Number**  
4 of 13

Revision Number:  
3.12-20160811