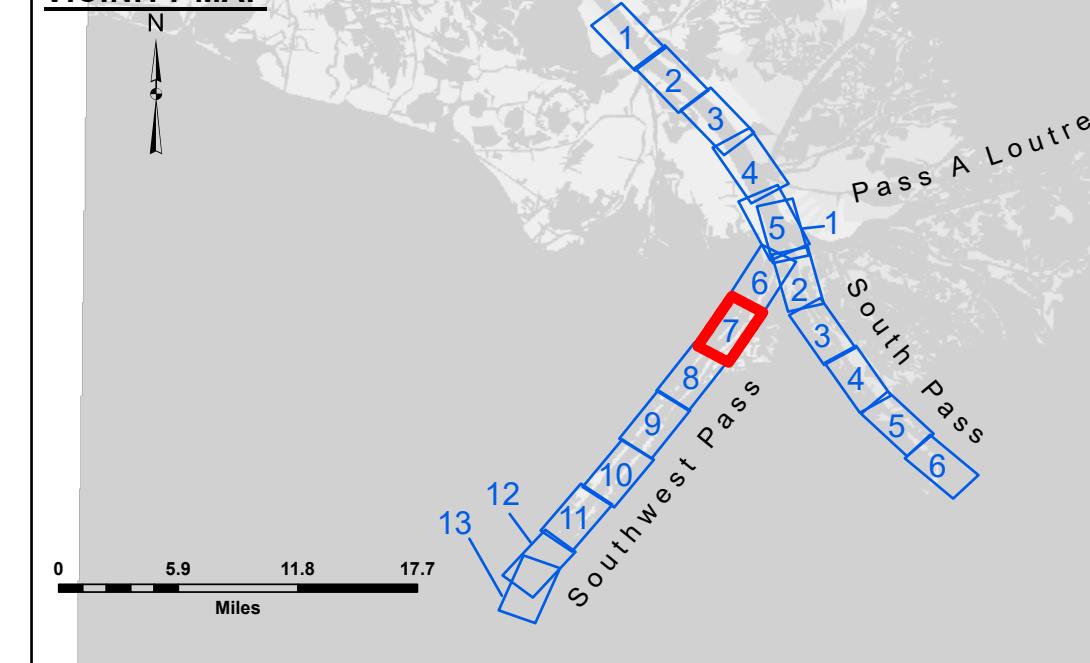


VICINITY MAP

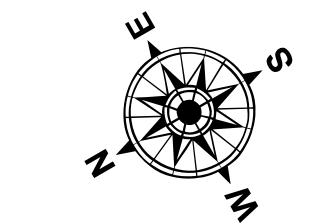


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- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour

LEGEND

3	Fluff Thickness (feet)*		-10' and above
	Borrow Area		-10' to -20'
	Shoalest Sounding**		-20' to -30'
			-30' to -40'
	Beacon, General		-40' to -45'
	Red Navigation Buoy		-45' to -50'
	Green Navigation Buoy		-50' to -55'
			-55' and below




Gage Reading: 0.3 MLLW @ H.O.P. (01545 OD) @
Sea Conditions: CALM
Vessel Name: TOBIN
Survey Type: CONDITION, SB
Sounding Frequency***: LOW

 Gage Reading: 0.3 MLLW @ H.O.P.
Sea Conditions: CALM
Vessel Name: TOBIN
Survey Type: CONDITION, SB
Sounding Frequency***: LOW

Gage Reading: 0.3 MLLW @ H.O.P. (01545 OD) @ 0950
Sea Conditions: CALM
Mean Low Water: TIDE
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 February 2021:

 Vessel Name: TUBIN 0.0' NAVD88, 2009.55 = -0.32' MLLW = 3.18' MLG
Survey Type: CONDITION, SB Distances on the Mississippi River, above and below Head of Passes are shown
Sounding Frequency***: LOW at 1 mile intervals

The location of navigation aids are base on and provided by the U.S. Coast Guard

The location of navigation aids are base on and provided by the U.S. Coast Guard.

Reference is N O A A Navigation Chart No. 11361

0 500 1,000 1,500 2,000 2,500 Reference is N.O.S. A.T. Navigation Chart No. 11531.
 ** 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 survey data normally penetrates through this "fluff" layer to depict elevations of consolidated material. Low frequency accuracies may vary depending on channel conditions and fan settings.

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Reference
Number
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Revision Number:
5.23.12.3-5.23.12.3