

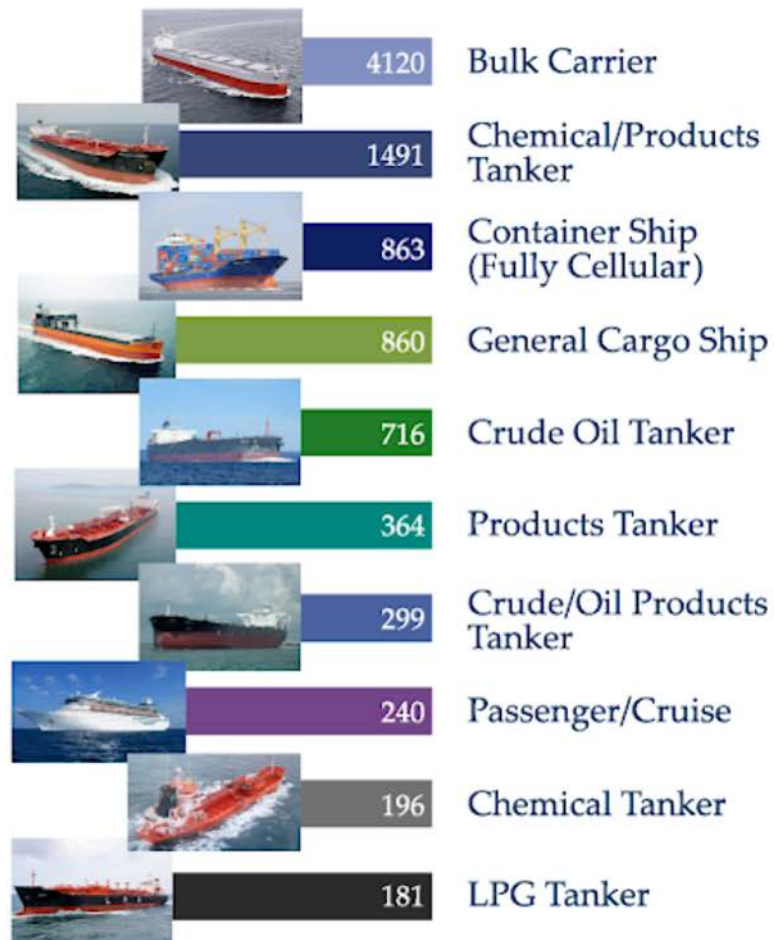
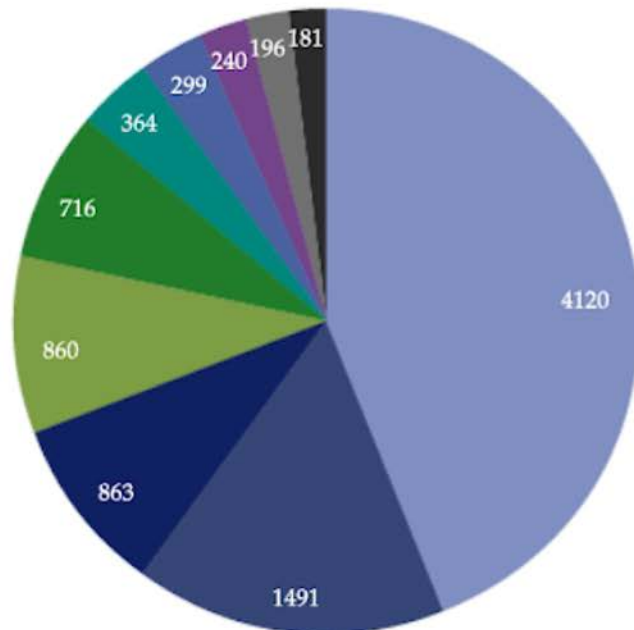


New Age Ships in an Old Age Channel

Thursday, February 28, 2019



SHIPS WE PILOT



NEW AGE SHIP

M/T ADVANTAGE START

156,639 DWT, 899' X 157' 45' DEPTH



NEW AGE SHIP

MSC CHARLESTON

105,014 DWT, 985'X140', 42' DRAFT



NEW AGE SHIP

M/V OLYMPIC HARMONY

182,644 DWT 1,093' X 148' 47' DRAFT



NEW AGE SHIP

NORWEGIAN BREAKAWAY

1,062' X 130' 4,000 PASSENGERS



VIEW OF AFRAMAX TANKER FROM NEW AGE SHIP



VIEW OF SWP CHANNEL FROM NEW AGE SHIP



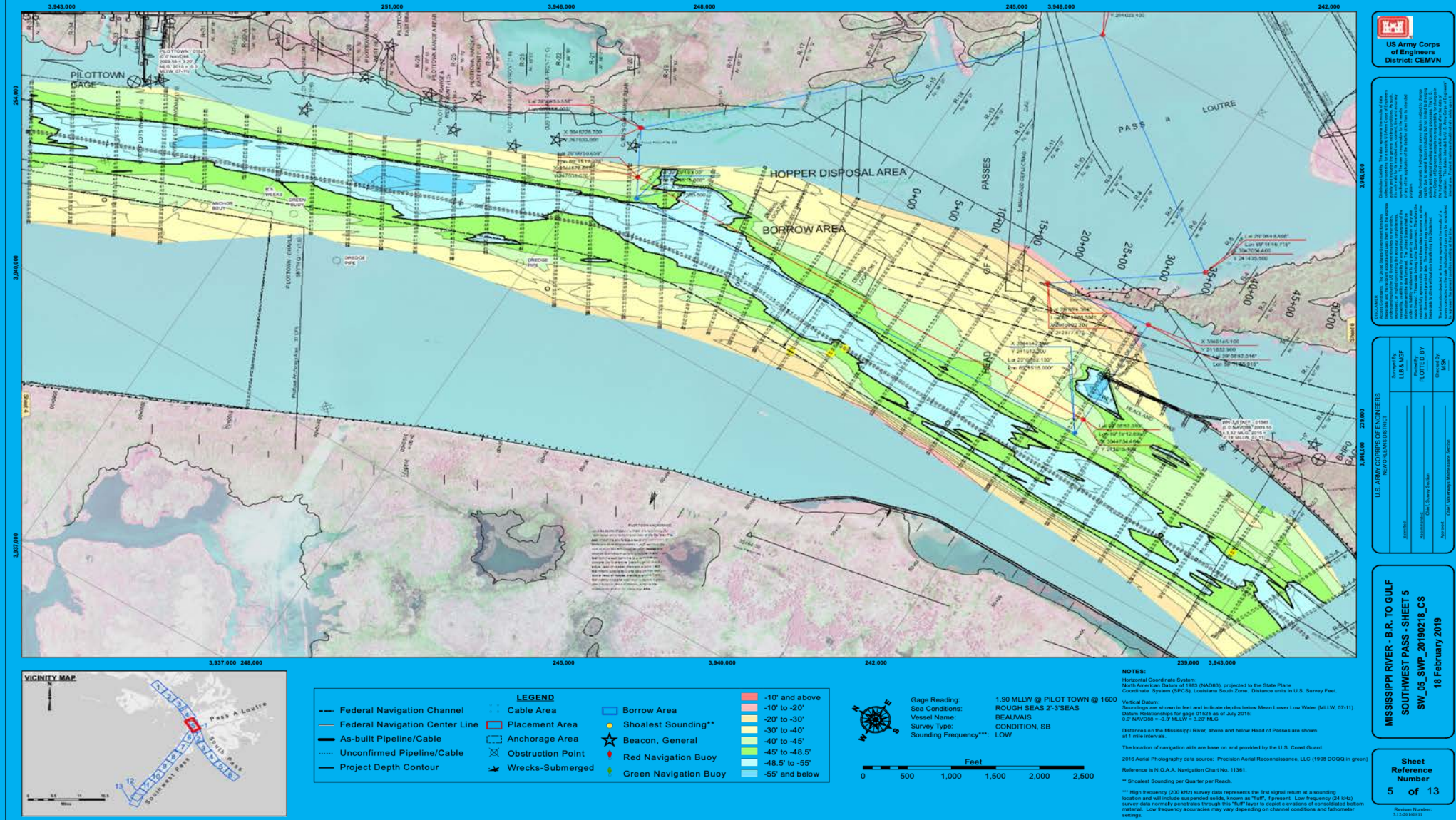
CLEAN CHANNEL



SHOALED CHANNEL

CORPS OF ENGINEERS

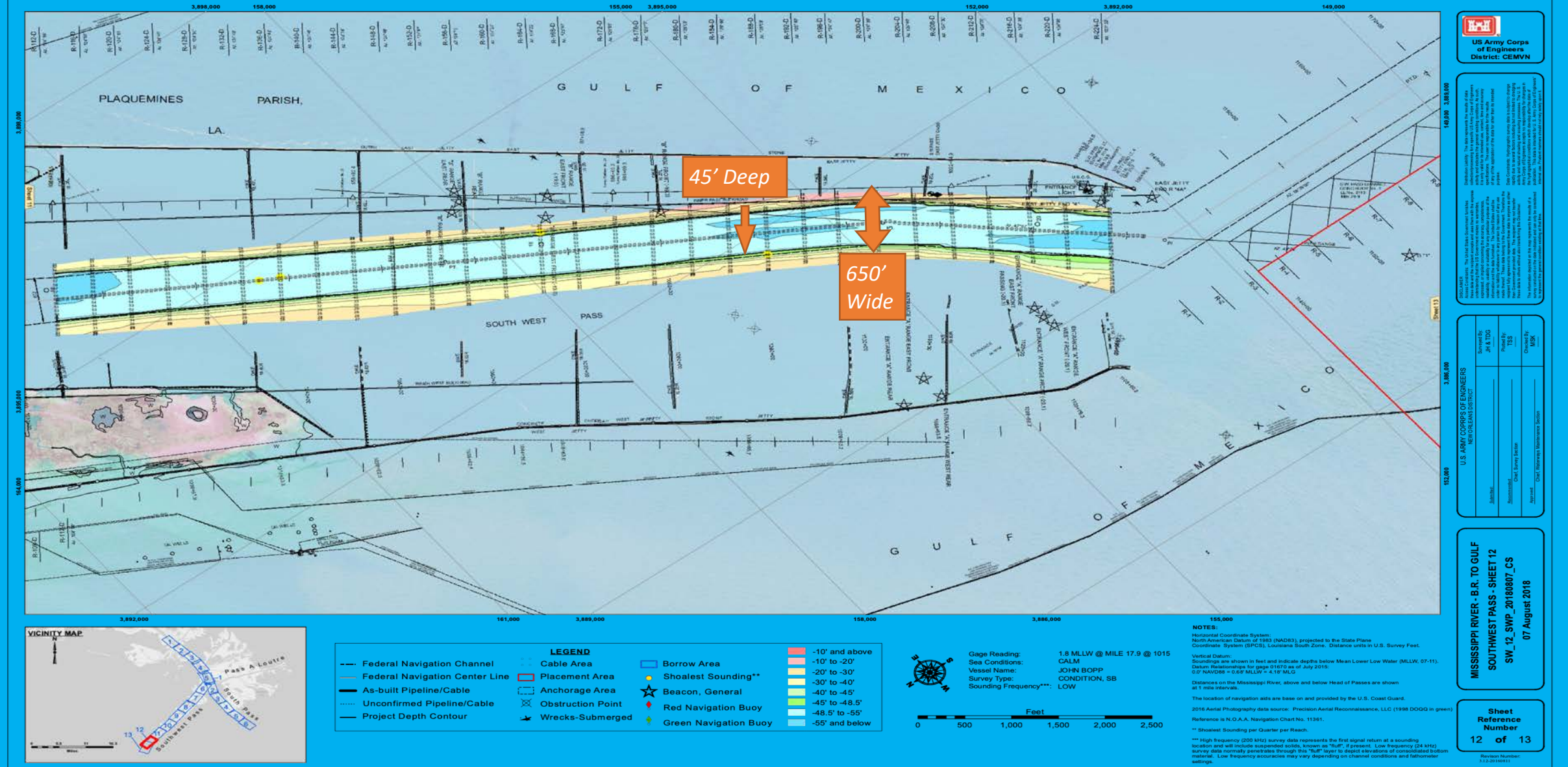
U.S. ARMY



CLEAN JETTY END

CORPS OF ENGINEERS

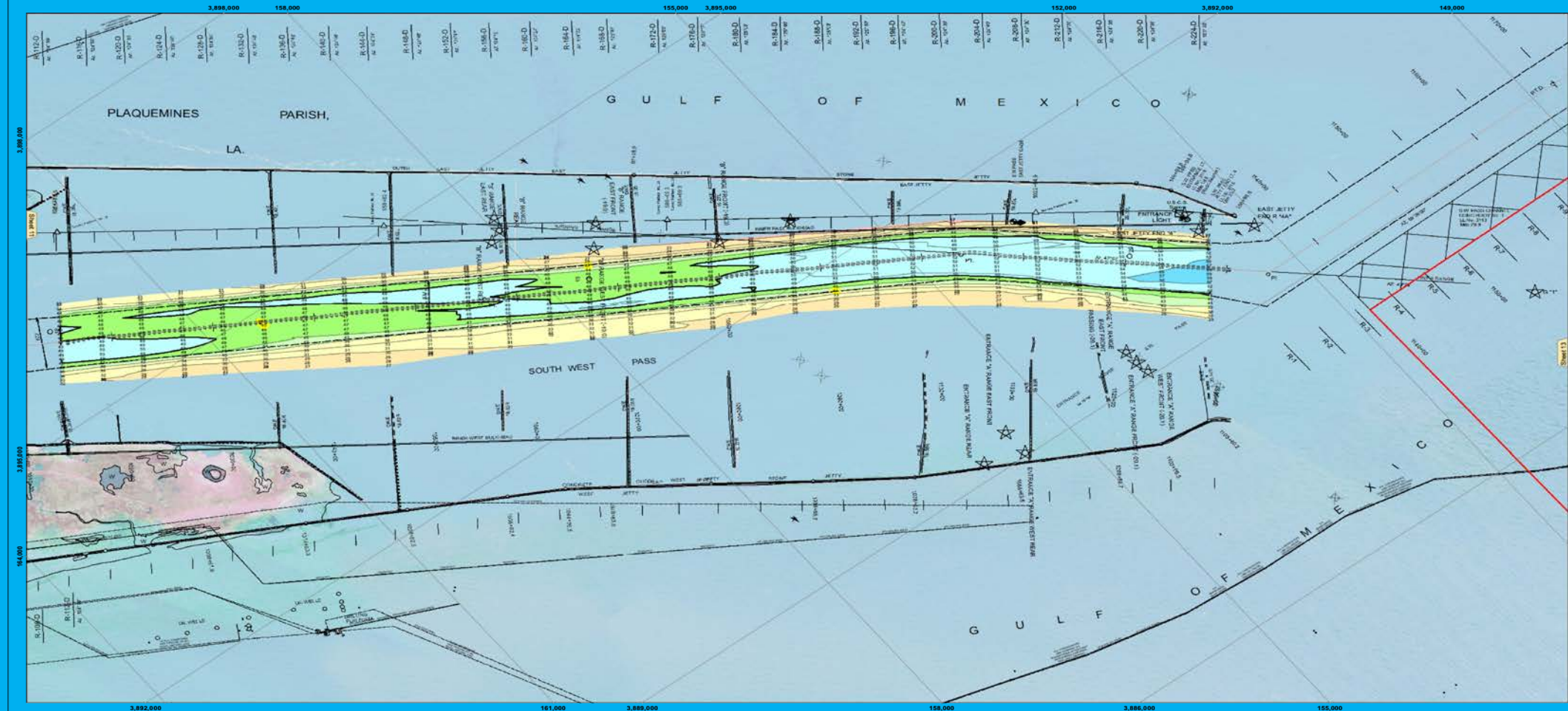
U.S. ARMY



SHOALED JETTY END

CORPS OF ENGINEERS

U.S. ARMY



LEGEND			
--- 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 -48.5'
			■ -48.5' to -55'
			■ -55' and below



Gage Reading: 1.5 MLLW @ MILE 17.9 @ 1150
 Sea Conditions: CALM
 Vessel Name: BEAUVAIS
 Sounding Frequency***: CONDITION, SB 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, 07-11).
 Datum Relationships for page 01670 as of July 2015:
 0.0 NAVD83 = 0.00 MLLW + 4.16 MLD
 Distances on the Mississippi River, above and below Head of Passes are shown
 at 1 mile intervals.
 The location of navigation aids are based on and provided by the U.S. Coast Guard.
 2016 Aerial Photography data source: Precision Aerial Reconnaissance, LLC (1986 DOQG in green)
 Reference is N.O.A.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 "slur". If present. Low frequency (24 kHz)
 survey data normally penetrates through this "slur" layer to depict elevations of consolidated bottom
 material. Low frequency soundings may vary depending on channel conditions and bathymetry
 settings.



U.S. Army Corps of Engineers
 District: CEMV
 The Corps of Engineers is the largest and most diverse of the U.S. Army's combat arms. It is responsible for the design, construction, and maintenance of the nation's waterways and coastal infrastructure. The Corps is also responsible for the operation and maintenance of the nation's flood control system. The Corps is a vital part of the U.S. Army's mission to protect the nation's security and interests.

U.S. ARMY CORPS OF ENGINEERS			
Drawn By	Checked By	Reviewed By	Approved By
LLP	LLP	LLP	LLP
Drawn By	Checked By	Reviewed By	Approved By
LLP	LLP	LLP	LLP

MISSISSIPPI RIVER - B.R. TO GULF
 SOUTHWEST PASS - SHEET 12
 SW_12_SWP_20190218_CS
 18 February 2019

Sheet
 Reference
 Number
 12 of 13

Revision Number:
 1.1.2.20190811

TYPES OF DREDGES



HOPPER DREDGES AT HEAD OF PASSES



THREADING THE NEEDLE



TIGHT SQUEEZE



HEAD OF PASSES

500 MILLION TONS OF CARGO



JETTY END

12,000+ DEEP-DRAFT VESSEL TRANSITS



CHANNEL RESTORATION = COASTAL RESTORATION





[Video Presentation](#)