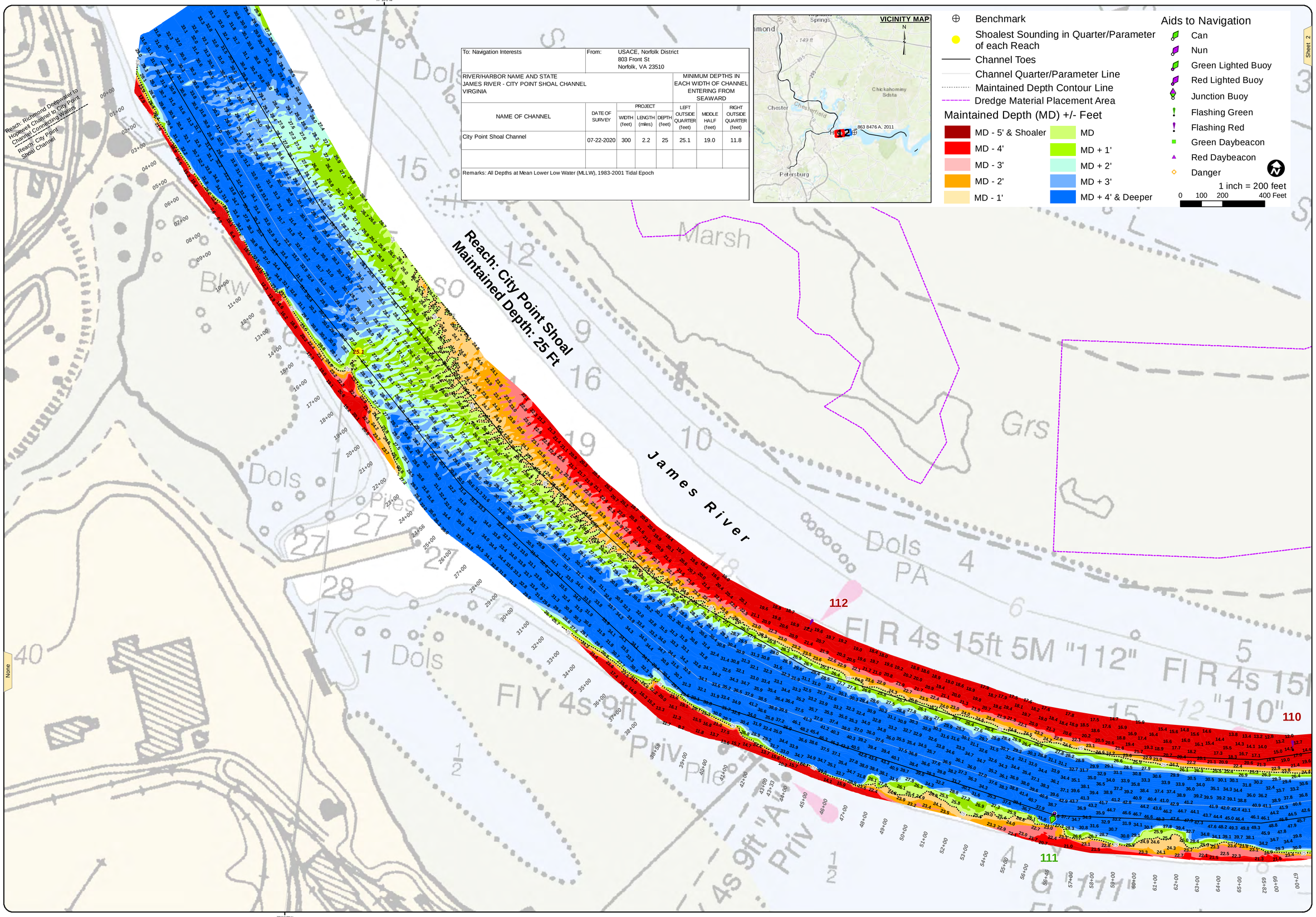


To: Navigation Interests	From: USACE, Norfolk District 803 Front St Norfolk, VA 23510						
RIVER/HARBOR NAME AND STATE JAMES RIVER - CITY POINT SHOAL CHANNEL VIRGINIA					MINIMUM DEPTHS IN EACH WIDTH OF CHANNEL ENTERING FROM SEAWARD		
NAME OF CHANNEL	DATE OF SURVEY	PROJECT WIDTH (feet)	PROJECT LENGTH (miles)	PROJECT DEPTH (feet)	LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
City Point Shoal Channel	07-22-2020	300	2.2	25	25.1	19.0	11.8

Remarks: All Depths at Mean Lower Low Water (MLLW), 1983-2001 Tidal Epoch

US Army Corps of Engineers
Norfolk District

NOTES:

1. PROJECT: A CHANNEL 300 FEET WIDE AND 35 FEET DEEP, MAINTAINED AT A DEPTH OF 25 FT.
2. NOT FOR NAVIGATION USE. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE(S) INDICATED & CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
3. SOUNDINGS: SHOWN IN FEET CENTERED ON POINT OF SHOALEST DEPTH IN 50 FT RADIUS GENERATED FROM HYDROSURVEY DATA
4. BACKGROUND: NOAA RASTER CHART GIS WEB SERVICE.
5. AIDS TO NAVIGATION LOCATED WITH SURVEY VESSEL +/- 10 FEET ON DATE OF SURVEY.
6. SURVEY XYZ (*.XYZ) AND METADATA (*.MET) FILE NAME REFERENCED BY eHYDRO FILE NAME.

PROJECTED COORDINATE SYSTEM: STATE PLANE
DATUM NAME: NAD 83
HORIZONTAL ZONE: VIRGINIA SOUTH ZONE
PROJECTED COORDINATE UNITS: US SURVEY FEET
IMPLIED HORIZONTAL ACCURACY: +/- 10 FEET
HORIZONTAL CONTROL: PPK/POSPAC

VERTICAL REFERENCE DATUM: NOS MLLW
TIDAL EPOCH: 1983-2001
IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET
VERTICAL CONTROL: PPK/POSPAC
TIDE APPLICATION: PPK/NOAA VDATUM MDL
SYSTEM/METHOD: MULTI-BEAM
BIN SIZE: 5x5'
BIN SELECTION METHOD: AVERAGE CELL CENTER

GEODETIC CONTROL MONUMENTS

MONUMENT	MLLW	NAVD88	MEAN RANGE OF TIDE	AREA
CE "863 8476 A, 2011"	4.48'	2.97' (GEOID18)	2.36'	0+00 to 118+00

JAMES RIVER
CITY POINT SHOAL CHANNEL
PROJECT CONDITION SURVEY

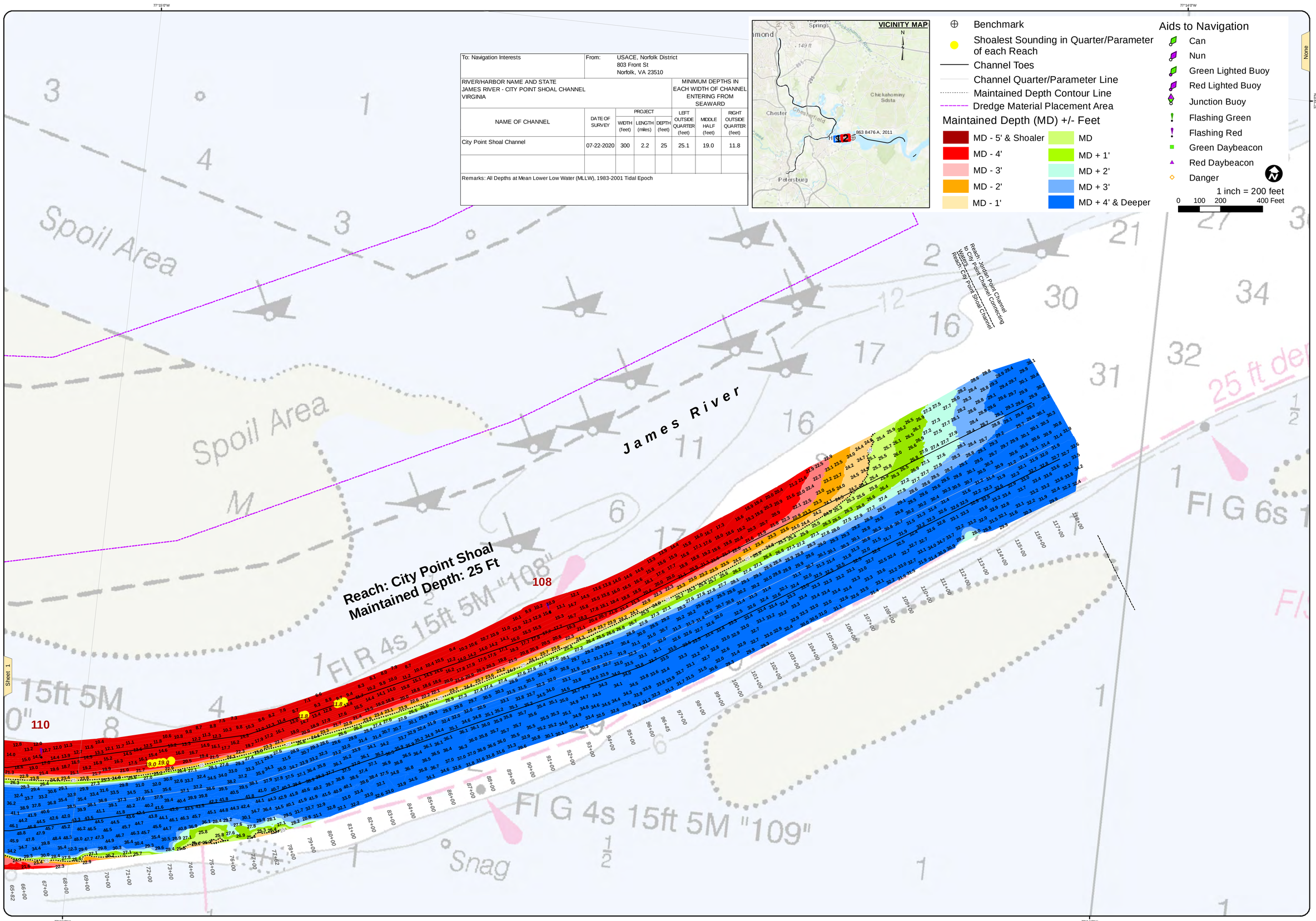
SURVEY DATE:
July 22, 2020

SURVEY BY: USACE Team Lead: Dustin Brooke
eHYDRO FILE: JR_07_CPT_20200722_CS

SHEET 1 of 2
Map Produced: 8/5/2020

APPROVED:
Jeff Swallow
Digitally signed by Jeff Swallow
Date: 2020.08.07 09:50:32 -04'00'
Chief, Navigation Analysis Section

APPROVED:
Eric Legaspi
Digitally signed by Eric Legaspi
Date: 2020.08.12 08:19:45 -04'00'
Chief, Navigation Support and Survey Section



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VERTICAL REFERENCE DATUM: NOS MLLW
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IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET
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JAMES RIVER
CITY POINT SHOAL CHANNEL
PROJECT CONDITION SURVEY

SURVEY DATE:
July 22, 2020

SURVEY BY: USACE Team Lead: Dustin Brooke
eHYDRO FILE: JR_07_CPT_20200722_CS

SHEET 2 of 2
Map Produced: 8/5/2020

APPROVED:
Chief, Navigation Analysis Section

APPROVED:
Chief, Navigation Support and Survey Section