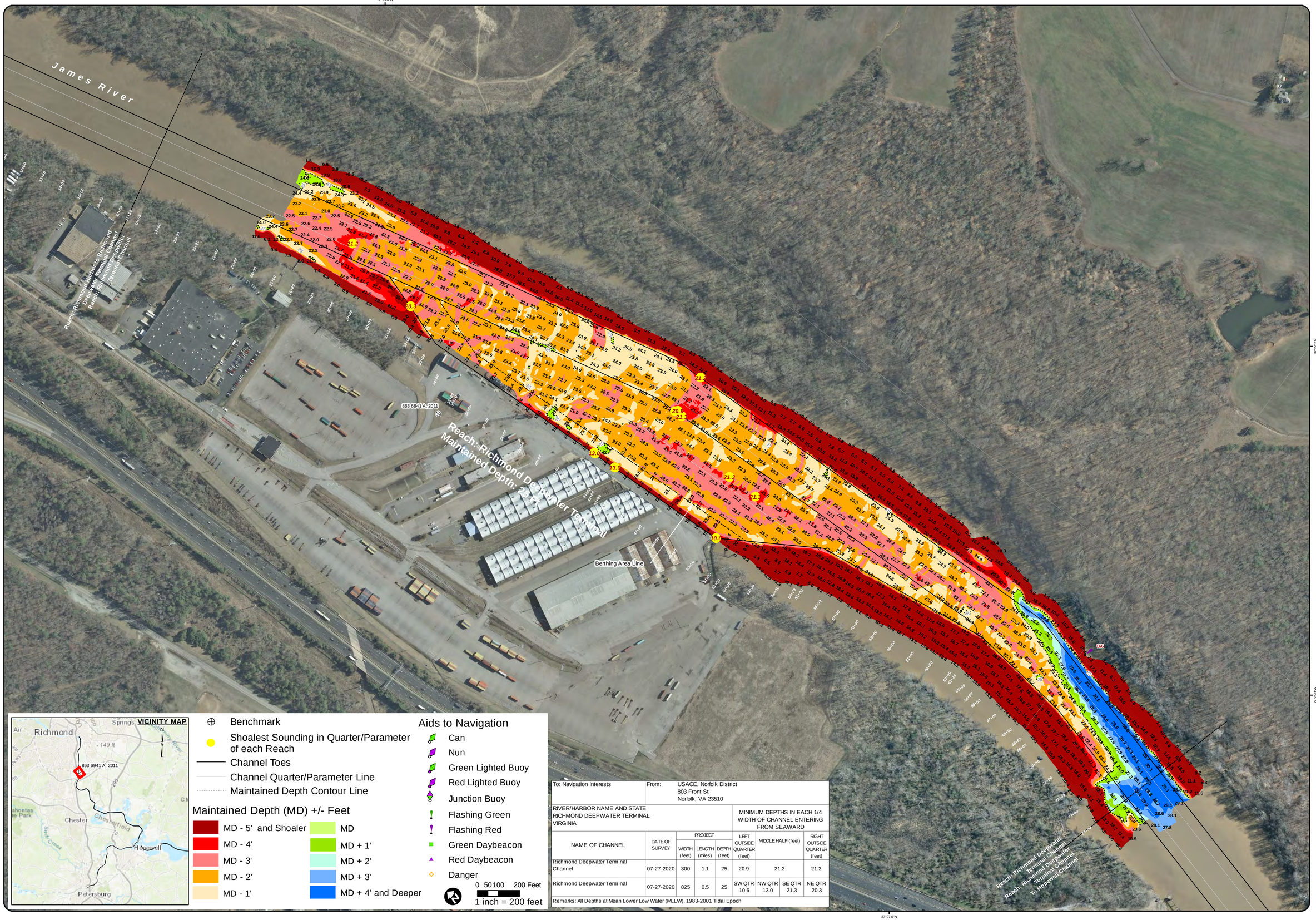

To: Navigation Interests	From: USACE, Norfolk District 803 Front St Norfolk, VA 23510						
RIVER/HARBOR NAME AND STATE RICHMOND DEEPWATER TERMINAL VIRGINIA				MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	DATE OF SURVEY	PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (miles)	DEPTH (feet)			
Richmond Deepwater Terminal Channel	07-27-2020	300	1.1	25	20.9	21.2	21.2
Richmond Deepwater Terminal	07-27-2020	825	0.5	25	SW QTR 10.6	NW QTR 13.0 / SE QTR 21.3	NE QTR 20.3
Remarks: All Depths at Mean Lower Low Water (MLLW), 1983-2001 Tidal Epoch							

US Army Corps of Engineers
Norfolk District

NOTES:

1. A CHANNEL 35 FEET DEEP AND 300 FEET WIDE, AND A BASIN AT THE TERMINAL 35 FEET DEEP AND 825 FEET WIDE. BOTH CHANNEL AND BASIN ARE MAINTAINED UNDER A PREVIOUS PROJECT TO 50 FEET DEEP AND WIDTHS SHOWN.
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 PRESENTING AT THAT TIME.
3. SOUNDINGS: SHOWN IN FEET CENTERED ON POINT OF SHOALEST DEPTH IN 50 FT RADIUS GENERATED FROM HYDROSURVEY DATA:
4. BACKGROUND: VIRGINIA BASE MAP IMAGERY 2013 GIS WEB SERVICE.
5. AIDS TO NAVIGATION LOCATED WITH SURVEY VESSEL +/- 10 FEET.
6. SURVEY XYZ (*.XYZ) AND METADATA (*.METI) FILE NAME REFERENCED BY eHYDRO FILE NAME.

PROJECTED COORDINATE SYSTEM:	STATE PLANE
DATUM:	NAD83(2011)
HORIZONTAL ZONE:	VIRGINIA SOUTH ZONE
PROJECTED COORDINATE UNITS:	US SURVEY FEET
IMPLIED HORIZONTAL ACCURACY:	+/- 1.5 FEET
HORIZONTAL CONTROL:	PPK/POSPAC

VERTICAL REFERENCE DATUM:	NGS MLLW
TIDAL DATUM:	1983-2001
IMPLIED VERTICAL ACCURACY:	+/- 0.5 FEET
VERTICAL CONTROL:	PPK/POSPAC
TIDE MODEL USED:	PPK/POSPAC MODIFIED
SYSTEM/METHOD:	MULTI-BEAM
BIN SIZE:	5x5
BIN SELECTION METHOD:	AVERAGE CELL CENTER

GEODETIC CONTROL MONUMENT

MONUMENT	MLLW	NAVD88	MEAN RANGE OF TIDE	AREA
CE "CE 863 6941 A", 2011	31.08'	29.63'(GEOID18)	3.04'	25+00 to 75+00

JAMES RIVER
RICHMOND DEEPWATER TERMINAL
PROJECT CONDITION SURVEY
(AFTER DREDGING)

SURVEY DATE:
July 27, 2020

SURVEY BY: USACE Team Lead: Mike Williams
eHYDRO FILE: JR_08_RDT_20200727_AD

SHEET 1 of 1
Map Produced: 8/6/2020

APPROVED:
Jeff Swallow
Digitally signed by Jeff Swallow
Date: 2020.08.07 08:51:12 -04'00'
Chief, Navigation Analysis Section

APPROVED:
Eric Legaspi
Digitally signed by Eric Legaspi
Date: 2020.08.12 09:52:03 -04'00'
Chief, Navigation Support and Survey Section