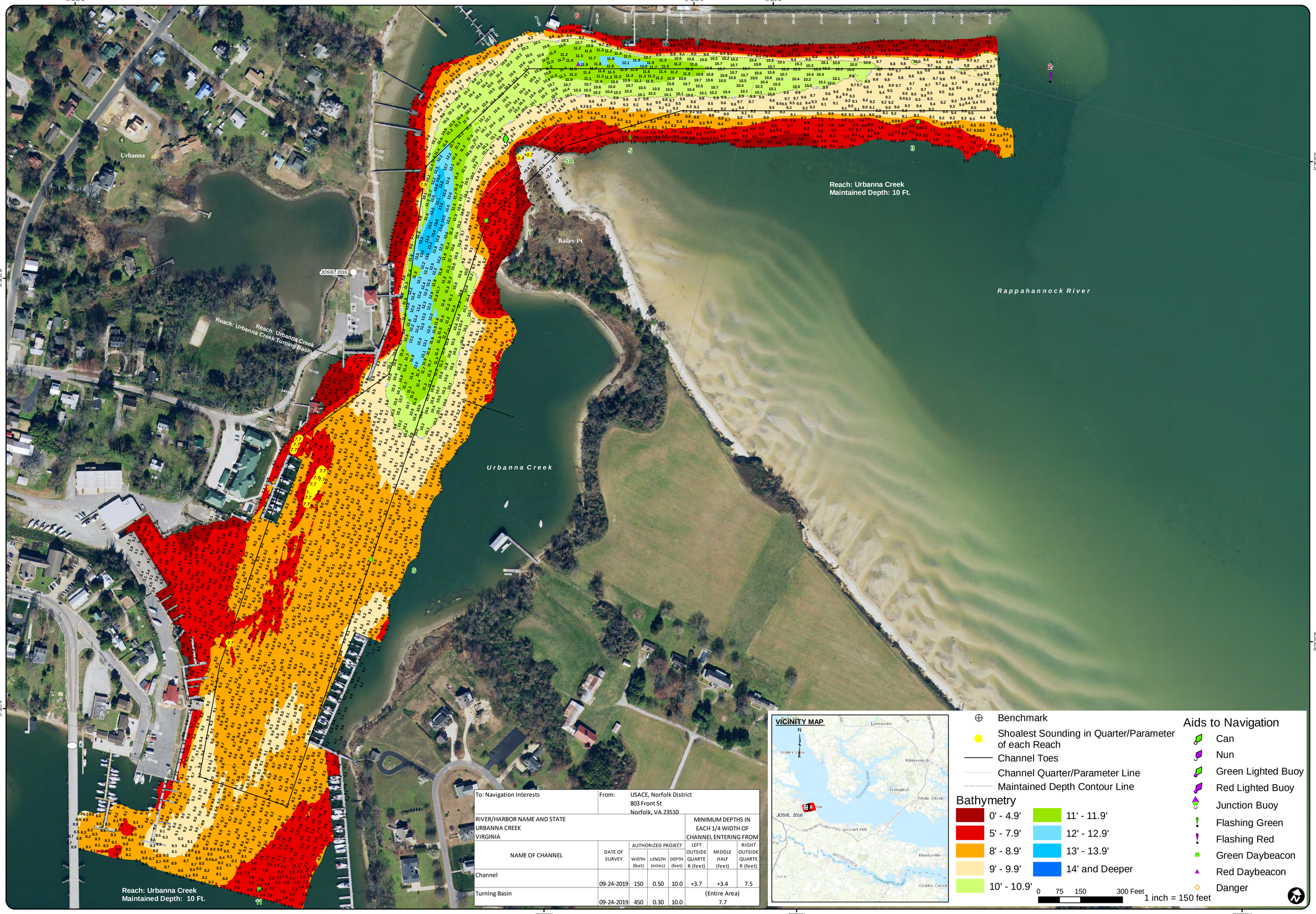

To: Navigation Interests		From: USACE, Norfolk District 803 Front St Norfolk, VA 23510					
RIVER/HARBOR NAME AND STATE URBANNA CREEK VIRGINIA					MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (miles)	DEPTH (feet)			
Channel	09-24-2019	150	0.50	10.0	+3.7	+3.4	7.5
Turning Basin	09-24-2019	450	0.30	10.0	(Entire Area) 7.7		

VICINITY MAP

- Benchmark
- Shoalest Sounding in Quarter/Parameter of each Reach
- Channel Toes
- Channel Quarter/Parameter Line
- Maintained Depth Contour Line

Bathymetry

- 0' - 4.9'
- 5' - 7.9'
- 8' - 8.9'
- 9' - 9.9'
- 10' - 10.9'
- 11' - 11.9'
- 12' - 12.9'
- 13' - 13.9'
- 14' and Deeper

Aids to Navigation

- Can
- Nun
- Green Lighted Buoy
- Red Lighted Buoy
- Junction Buoy
- Flashing Green
- Flashing Red
- Green Daybeacon
- Red Daybeacon
- Danger

0 75 150 300 Feet

1 inch = 150 feet

US Army Corps of Engineers
Norfolk District

NOTES:
1. PROJECT ACHANNEL 10 FEET DEEP, 150 FEET WIDE FROM RAPPAHANNOCK RIVER TO BURTONS WHARF IN URBANNA; TURNING BASIN OF SAME DEPTH 400 FEET WIDE AND 1,575 FEET LONG; ONE STONE JETTY 1,895 FEET LONG, ONE TIMBER JETTY 717 FEET LONG AT ENTRANCE. ALL DEPTHS REFERRED TO MEAN LOW WATER.
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 20 FT RADIUS GENERATED FROM HYDRO/SURVEY DATA.
4. BACKGROUND: VIRGINIA BASE MAPPING PROGRAM MOST RECENT IMAGERY.
5. AIDS TO NAVIGATION LOCATED WITH SURVEY VESSEL +/- 10 FEET.
6. SURVEY XYZ (.XYZ) AND METADATA (*.MET) FILE NAME REFERENCED BY eHYDRO FILE NAME.

PROJECTED COORDINATE SYSTEM: STATE PLANE
DATUM/ELLIPSOID: NAD83
HORIZONTAL ZONE: VIRGINIA SOUTH ZONE
PROJECTED COORDINATE UNITS: US SURVEY FEET
HORIZONTAL ACCURACY: +/- 0.5 FEET
HORIZONTAL CONTROL: LEICA SMART NET

VERTICAL REFERENCE DATUM: NGS MLLW
TIDAL DATUM: 3 TIDE STATIONS
IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET
VERTICAL CONTROL: RTK/LEICA SMART NET
TIDE STATION: FRONT ROYAL
SYSTEM METHOD: MULTI BEAM AND TOPO
BIN SIZE: 5X5'
BIN SELECTION METHOD: AVERAGE CELL CENTER

GEODETIC CONTROL MONUMENTS

MONUMENT	MLLW	NAVD88	MEAN RANGE OF TIDE
CE "JOSIE 2016"	3.50	2.41(GEOID12B)	1.40'

AREA
(00+00 to 43+00)
Topo (22+00 to 27+00)

URBANNA CREEK PROJECT CONDITION SURVEY

SURVEY DATE: September 24, 2019

SURVEY BY: USACE Team Leader: Joe Moore, Jr.
eHYDRO FILE: UB_01_URB_20190924_CS

SHEET 1 of 1
Map Produced: 10/3/2019

APPROVED:
Jeff Swallow
Chief, Navigation Analysis Section

APPROVED:
Digitally signed by Eric Legaspi
Date: 2019.10.16 10:39:23 -05'00'
Chief, Navigation Support and Survey Section