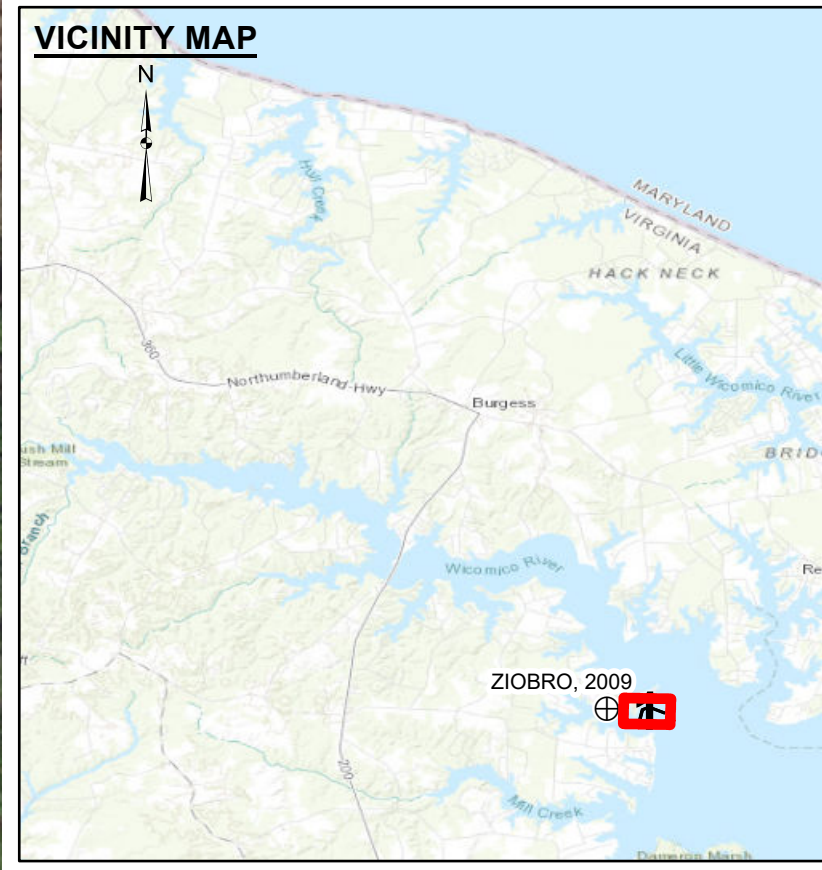




⊕ Benchmark

● Shoalest Sounding in Quarter/Parameter of each Reach

— Channel Toes

— Channel Quarter/Parameter Line

----- Maintained Depth Contour Line

0' - 1.9'

2' - 3.9'

4' - 4.9'

5' - 5.9'

6' - 6.9'

7' - 7.9'

8' - 8.9'

9' - 10.9'

11' and Deeper

⬆ Aids to Navigation

Can

Nun

Green Lighted Buoy

Red Lighted Buoy

Junction Buoy

Flashing Green

Flashing Red

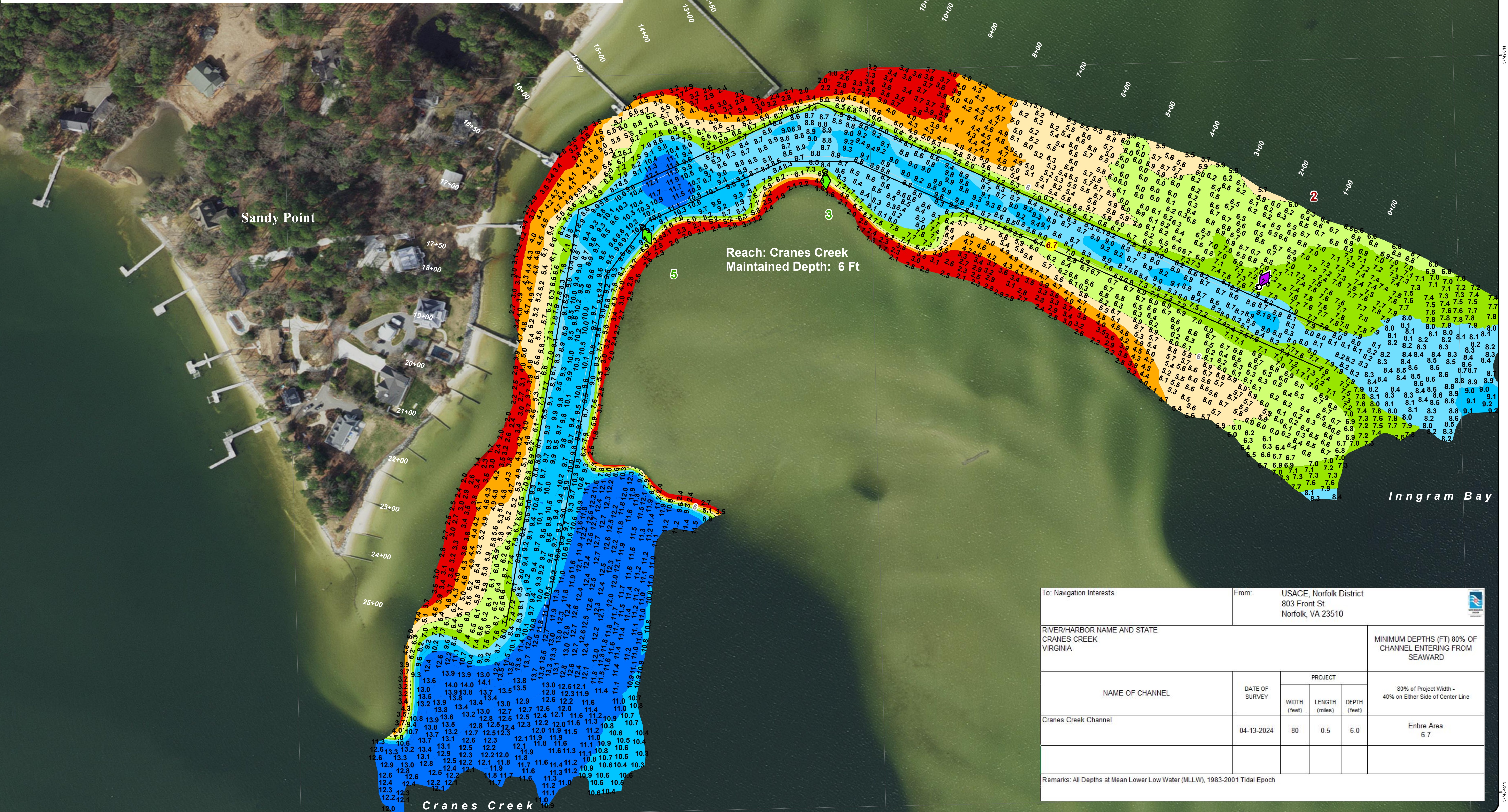
Green Daybeacon

Red Daybeacon

Danger

0 50 100 200 Feet

1 INCH = 100 FEET



To: Navigation Interests		From: USACE, Norfolk District 803 Front St Norfolk, VA 23510			
RIVER/HARBOR NAME AND STATE CRANES CREEK VIRGINIA			MINIMUM DEPTHS (FT) 80% OF CHANNEL ENTERING FROM SEAWARD		
NAME OF CHANNEL	DATE OF SURVEY	PROJECT			80% of Project Width - 40% on Either Side of Center Line
		WIDTH (feet)	LENGTH (miles)	DEPTH (feet)	
Cranes Creek Channel	04-13-2024	80	0.5	6.0	Entire Area 6.7
Remarks: All Depths at Mean Lower Low Water (MLLW), 1983-2001 Tidal Epoch					

US Army Corps
of Engineers
Norfolk District

NOTES:

1. PROJECT CHANNEL 16 FEET DEEP AND 80 FEET WIDE FROM DEEP WATER IN GREAT WICOMICO RIVER TO DEEP WATER IN CRANES CREEK.

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 GIS WEB SERVICE.

5. ADS TO NAVIGATION LOCATED WITH SURVEY VESSEL +/- 10 FEET.

6. SURVEY XYZ (XYZ) AND METADATA (.MET) FILE NAME REFERENCED BY #HYDRO FILE NAME.

VERTICAL REFERENCE DATUM: NOS MLLW

RTK/NOAA DATUM(A=0.88)

POSITIONING SYSTEM: MULTI-BEAM

BIN SIZE: 33'

SECTION METHOD: 00+00 TO 25+00

AREA SURVEYED:

PROJECTED COORDINATE SYSTEM: STATE PLANE

VIRGINIA SOUTH ZONE

US SURVEY FEET

IMPLIED HORIZONTAL ACCURACY: +/- 1 FOOT

IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET

GEODETIC CONTROL MONUMENT

NAVD88

MEAN RANGE OF TIDE

1.16'

MONUMENT

CE ZIOBRO, 2009"

10.70'

9.82(GEOD 19)

CRANES CREEK

PROJECT CONDITION SURVEY

SURVEY DATE:
April 13, 2024

SHEET 1 of 1

Map Produced: 7/2/2024

APPROVED:

Chief, Navigation Analysis Section

Eric Legaspi

Chief, Navigation Support and Survey Section

SURVEY BY: Watway Surveys & Engineering Team Lead: George Rollins

#HYDRO FILE: CA_01_CRC_20240413_CS