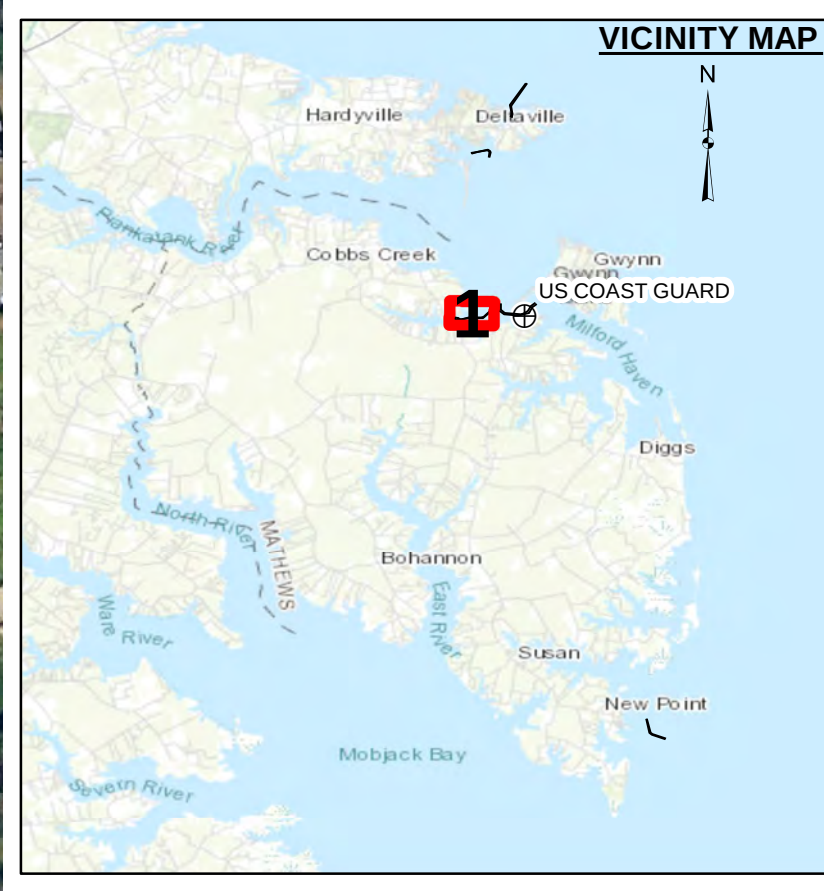




Bathymetry

0' - 0.9'	7' - 7.9'
1' - 3.9'	8' - 9.9'
4' - 4.9'	10' - 14.9'
5' - 5.9'	15' and Deeper
6' - 6.9'	

Aids to Navigation

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

Legend

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

0 50 100 200 Feet
1 inch = 150 feet

To: Navigation Interests		From: USACE, Norfolk District 803 Front St Norfolk, VA 23510			
RIVER/HARBOR NAME AND STATE QUEENS 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)	
Queens Creek Channel	01-29-2019	60	0.8	6	6.9
Queens Creek Turning Basin	01-29-2019	200	0.1	6	6.1
Remarks: All Depths at Mean Lower Low Water (MLLW), 1983-2001 Tidal Epoch					

Reach: Queens Creek Turning Basin
Maintained Depth: 6 Ft

Reach: Queens Creek Channel
Maintained Depth: 6 Ft

US Army Corps
of Engineers
Norfolk District

NOTES:

- PROJECT: AN APPROACH CHANNEL 6 FEET DEEP, 60 FEET WIDE AND ABOUT 4,100 FEET LONG FROM THAT DEPTH IN HILLS BAY INTO QUEENS CREEK, INCLUDING A TURNING BASIN 200 FEET BY 400 FEET AT THE HEAD OF THE CHANNEL.
- NOT FOR NAVIGATION USE: THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED & CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. HYDRO SURVEY DATA.
- SOUNDINGS SHOWN IN FEET CENTERED ON POINT OF SHOALEST DEPTH IN 20 FT RADIUS GENERATED FROM 1983-2001 DATUM.
- BACKGROUND: VIRGINIA BASE MAPPING PROGRAM MOST RECENT IMAGERY GIS WEB SERVICE.
- AIDS TO NAVIGATION LOCATED WITH SURVEY VESSEL +/- 10 FEET.
- SURVEY XYZ (.XYZ) AND METADATA (.MET) FILE NAME REFERENCED BY #HYDRO FILE NAME.

DATUM NAME	STATE PLANE	VERTICAL REFERENCE DATUM	GEODETIC CONTROL MONUMENTS
NAD 83	SOUTH ZONE	NOS MLLW	MLLW
PROJECTED HORIZONTAL ACCURACY:	US SURVEY FEET	1983-2001 DATUM	MONUMENT
PROJECTED VERTICAL ACCURACY:	US SURVEY FEET	1983-2001 DATUM	USCG "US COAST GUARD"
TIDE APPLICATION:	LEICA SMART NET	VERTICAL CONTROL:	NAVD88
TIDE APPLICATION:	LEICA SMART NET	VERTICAL CONTROL:	MEAN RANGE OF TIDE
TIDE APPLICATION:	LEICA SMART NET	VERTICAL CONTROL:	AREA
TIDE APPLICATION:	LEICA SMART NET	VERTICAL CONTROL:	00+00 - 43+50
TIDE APPLICATION:	LEICA SMART NET	VERTICAL CONTROL:	1.18'
TIDE APPLICATION:	LEICA SMART NET	VERTICAL CONTROL:	3.91 (GEOD128)
TIDE APPLICATION:	LEICA SMART NET	VERTICAL CONTROL:	4.87

QUEENS CREEK

PROJECT CONDITION SURVEY
(AFTER DREDGING)

SURVEY DATES:
JANUARY 29 & 30, 2019

SURVEY BY: USACE Team Lead: Dustin Brooke
HYDRO FILE: CN_01_QNS_20190228_AD

SHEET 1 of 1

Map Produced: 2/6/2019

APPROVED:

Chief, Navigation Analysis Section

APPROVED:

Chief, Navigation Support and Survey Section