Formerly C&GS 400, 1st Ed., Feb 1989 © 1942-065 KAPP 584

SOUNDINGS IN FEET

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - EAST COAST

VIRGINIA

HAMPTON ROADS

Mercator Projection
Scale 1:20,000 at Lat. 36°57'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov.

TIDAL INFORMATION

PLACE		Height refined to datum of soundings (MLLW)		
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Old Point Comfort	(37°00'N/76°19'W)	2.8	2.6	0.1
Sewells Point (Sewells Pt)	(36°57'N/76°20'W)	2.8	2.6	0.1
Newport News	(36°58'N/76°26'W)	2.8	2.6	0.1

Datums (-) : located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the internet from http://tidesandcurrents.noaa.gov.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS-84). Positions determined using the North American Datum of 1927 must be corrected an average of 0.533" northward and 1.304" eastward to agree with this chart.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 3. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning navigation regulations may be obtained at: the Office of the Commander, Fifth Coast Guard District in Portsmouth, Virginia or at the Office of the District Engineer, Corps of Engineers in Norfolk, Virginia.

Refer to charted regulation section numbers.

SCALE 1:20,000
Nautical Miles
Yards

HAMPTON RIVER ANCHORAGE
Fl R 4s 18ft 5M "1"

HAMPTON FLATS

HAMPTON BAR

HAMPTON ROADS

NEWPORT NEWS BAR

NEWPORT NEWS CHANNEL (see tabulation)

NEWPORT NEWS MIDDLE GROUND

EAST ANCHORAGE

WEST ANCHORAGE

NEWPORT NEWS

HAMPTON

PHOEBUS

MILL CREEK

Old Point Comfort

Fort Monroe

OLD POINT COMFORT
Fl (2) R 10s 54ft 14M

Fort Wool

HIS OR HERS HOE

THIMBLE SHOAL

THIMBLE SHOAL LT
Fl 10s 58ft Priv

BANK

WILLOUGHBY BAY

WILLOUGHBY SPIT

Willoughby Beach

Ocean View

Bay View Beach

Little Creek

JAMES RIVER

NANSEMOND RIVER

CRANEY ISLAND FLATS

CRANEY ISLAND DISPOSAL AREA

Craney Island

Craney Island Creek

Pig Pt

Tanner Pt

Lamberts Pt

LAMBERTS POINT TERMINAL

LAFAYETTE RIVER

NORFOLK

Wayne Cr

Wolfler Cr

Western Br

West Creek

Twin Pines

Lenox

Lafayette Park

Old Dominion University

Norfolk International Terminals

GRAIN ELEVATOR

CLOCK TOWER

MONITOR-MERRIMAC MEMORIAL BRIDGE-TUNNEL

HAMPTON ROADS TUNNEL

CONTINUED ON CHART 12258

CONTINUED ON CHART 12204

JOINS CHART 12253

JOINS CHART 12554

HAMPTON, PHOEBUS AND WILLOUGHBY CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2017

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW): LEFT QUARTER	MIDDLE CHANNEL	RIGHT QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS: WIDTH (FEET)	LENGTH (STATUTE MILES)	DEPTH (FEET)
HAMPTON CREEK APPROACH CHANNEL	10.8	10.4	11.6	11-17	200	1.2	12
HAMPTON CREEK CHANNEL	8.3	10.5	8.7	11-17	100	1.4	12
SUNSET CREEK	10.2	9.0	9.4	11-17	100-80	0.7	12
PHOEBUS CHANNEL	12.5	10.1	11.7	6-03	100	0.7	12
WILLOUGHBY CHANNEL	2.2	2.3	8.4	4-17	A360	1.6	10

A CHANNEL WIDTH MAINTAINED AT 200 FEET SOUTH OF 36°56'43.2"N 76°19'36.9"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

NORFOLK HARBOR AND NEWPORT NEWS PROJECT DEPTHS (see note)

NAME OF CHANNEL	PROJECT DEPTH MLLW (FEET)
NORFOLK HARBOR ENTRANCE REACH	50
NORFOLK HARBOR REACH	50
CRANEY ISLAND REACH	50
NEWPORT NEWS CHANNEL	50

PROJECT DEPTHS

Channel legends and tabulations, where indicated, reflect the U.S. Army Corps of Engineers (USACE) project depths. The channel may be significantly shoaler, particularly at the edges. For the latest controlling depths and maximum depths as reported by USACE, see NOAA Electronic Navigational Charts. USACE surveys and channel condition reports are available at http://navigation.usace.army.mil/Survey/Hydro.

ANCHORAGE AREAS

110.168 (see note A)

Limits and designations of anchorage areas are shown in magenta.

E — COMMERCIAL EXPLOSIVES ANCHORAGE

G — NAVAL EXPLOSIVES ANCHORAGE

G-1 G-2 G-3 G-4 — EXPLOSIVES HANDLING BERTH

ALL OTHER BERTHS ARE FOR GENERAL USE

ALL OTHER ANCHORAGES ARE FOR GENERAL USE

NOTE B

The Newport News to Craney Island submarine pipeline contains 5 stitch points along its length that are labeled A through E. The pipeline rises to within 12 feet of the seabed at the stitch points and dives to depths of over 65 feet between stitch points C to E.
Stitch points are shown as: →C

See Coast Pilot 3, Chapter 9, chart 12245 for additional information.

NOTE C

MONITOR-MERRIMAC MEMORIAL BRIDGE-TUNNEL
APPROACH SPANS
HOR CL 70 FT
VERT CL 30 FT

NOTE D

EMERGENCY RESTRICTED AREA
For the latest information regarding the regulations of any emergency restricted area, contact the Army Corps of Engineers, Norfolk District, Regulatory Branch at (757) 201-7652/7652.

NOTE E

HAMPTON ROADS TUNNEL
APPROACH SPANS
HOR CL 45 FT
VERT CL 10 FT

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Pipeline Area — Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.
Covered wells may be marked by lighted or unlighted buoys.

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE

A	1990-2016	NOS Surveys — full bottom coverage
B1	1990-2006	NOS Surveys — partial bottom coverage
B3	1940-1989	NOS Surveys — partial bottom coverage
B4	1900-1939	NOS Surveys — partial bottom coverage
B5	Pre-1900	NOS Surveys — partial bottom coverage

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Norfolk, VA — KHB-37 — 162.550 MHz

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117. Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
(A) Accurate location) (+) Approximate location)

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

RACING BUOYS

Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

ABBREVIATIONS

(For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation lights are white unless otherwise indicated.

ADPO aeronautical; Al. alternating; B black; Bn beacon; C can; DIA. diaphone; F fixed; Fl. flashing; G green; Gr. grey; IQ interrupted quick; Iso isophase; LT HO lighthouse; M nautical mile; m minute; MICRO TR microwave tower; Mo marker; Mo. mosaic code; N nun; OBSC obscured; Oc occulting; Or orange; Q quick; R red; Ra Ref radar reflector; R Bn radiobeacon; R TR radio tower; Ror rotating; s seconds; SEC sector; St. M statute miles; VQ very quick; W white; WHIS whistle; Y yellow

Bottom characteristics:
Bldr boulders; Co coral; gr gray; Grs grass; h hard; M mud; S sand; Oys oysters; sh shells; sy sticky; bn broken; G gravel; Rk rock; so soft

Miscellaneous:
AUTH authorized; ED existence doubtful; Obstn obstruction; PA position approximate; PD position doubtful; Rep reported; Subm submerged; Wreck, rock, obstruction, or shoal swept clear to the depth indicated; Rocks the cover and uncover, with heights in feet above datum of soundings.

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and National Geospatial-Intelligence Agency.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 3 for important supplemental information.

PLANE COORDINATE GRID

(Based on NAD 1927)

The Virginia State Grid (South Zone) is indicated by dashed tints at 10,000 foot intervals.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CAUTION

FISH TRAP AREAS AND STRUCTURES

Mariners are warned that numerous uncharted duck blinds and fishing structures, some submerged, may exist in the fish trap areas. Such structures are not charted unless known to be permanent.
Regulations to assure clear passage to and through dredged and natural channels, and to established landings, are prescribed by the Corps of Engineers in the Code of Federal Regulations.
Definite limits of fish trap areas have been established in some areas, and those limits are shown thus.
Where definite limits have not been prescribed, the location of fishing structures is restricted only by the regulations.

12245

CAUTION: This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.htm.

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

SOUNDINGS IN FEET

PATHOMS / FEET / METERS

Hampton Roads
SOUNDINGS IN FEET - SCALE 1:20,000

12245

1st Ed., Aug. 2020. Last Correction: 3/29/2021. Cleared through:
LNM: 12/21 (3/23/2021); NM: 14/21 (4/3/2021)
To ensure that this chart was printed at the proper scale, the line below should measure six inches (152 millimeters).
If the line does not measure six inches (152 millimeters), this copy is not certified safe for navigation.

(POD) providers fulfill a vessel's requirement to carry a navigational chart "published by the National Ocean Service" in accordance with federal regulations, including but not limited to 33 C.F.R. 164.33(a), 33 C.F.R. 164.72(b), and 46 C.F.R. 28.225(a). POD charts meet stringent print standards and can be recognized by an official certification of authenticity printed on the chart. A list of POD providers can be found at: nauticalcharts.noaa.gov/pod