CRANEY ISLAND DISPOSAL AREA

Craney Island

Craney Island Creek

RESTRICTED AREA 334.290 (see notes A & D)

RESTRICTED AREA (see note D)

CRANEY ISLAND REACH

REGULATED NAVIGATION AREA 165.501 (see note A)

Twin Pines

Lamberts Pt

LAMBERT BEND

LAMBERT BEND TO PINNER POINT

LAMBERTS POINT TERMINAL

Lake Kingman

Churchland

WEST NORFOLK

Lovett Pt

Pinner Point

PINNER POINT TO TOWN POINT REACH

Pinehurst

PORT NORFOLK

Scott Creek

WESTERN BRANCH

River Park

Waterview

PORTSMOUTH

Westhaven

Bruce

Barnes Cr

Drum Pt

Old Dominion University

Hospital

Wayne Cr

EASTERN BRANCH

Ladyette Park

Marsh

SCALE 1:20,000
Nautical Miles
0 ½ 1 1½
Yards
500 0 500 1000 1500 2000 2500

ANCHORAGE AREAS
110.168 (see note A)
Limits and designations of anchorage areas are shown in magenta.
(M)(N) GENERAL ANCHORAGE
(O) FOR YACHTS & PLEASURE CRAFT

Smith Creek

NORFOLK

Shopping Center

Norfolk State University

Town Pt

TOWN POINT REACH

TOWN POINT REACH TO TOWN POINT REACH

Chesterfield

Elizabeth Park

Indian River

BERKLEY

Cable and Pipeline Area

REGULATED NAVIGATION AREA 165.501 (see note A)

CHESAPEAKE

Cradock

Paradise Cr

Jones Cr

Gilligan Cr

Cuffletown Cr

Broad Creek

Buell

Millidam Cr

Portlock

Money Pt

St Julien Cr

Gilmerton

Newton Cr

Crestwood

Hodges Cr

Mains Cr

DEEP CREEK

Deep Creek

Millville

New Mill Cr

Bells Mill

Root Cr

Great Bridge

Albemarle and Chesapeake Canal

Atlantic Yacht Basin

INTRACOASTAL WATERWAY (Route via Dismal Swamp Canal) (see note B)

INTRACOASTAL WATERWAY (Route via Virginia Cut) (see note B)

INTRACOASTAL WATERWAY (Route via Pamlico River, NC) (see note B)

Gilmerton Dam Creek Canal (Abandoned)

Hospital Pt

Town Pt

Lower Reach

Middle Reach

Upper Reach

Tunnel Area

Ferry Route

Ferry Area

Lower Reach (see tabulation)

NS RY BASCULE BRIDGE (see tabulation)

Middle Reach (see tabulation)

Upper Reach (see tabulation)

ELIZABETH RIVER PROJECT DEPTHS
(see note)

NAME OF CHANNEL	PROJECT DEPTH MLLW (FEET)
CRANEY ISLAND REACH	50
LAMBERT BEND	40
LAMBERT BEND TO PINNER POINT	40
PINNER POINT TO TOWN POINT REACH	40
TOWN POINT REACH	40
SOUTHERN BRANCH:	
LOWER REACH	40
MIDDLE REACH	40

ELIZABETH RIVER EASTERN BRANCH PROJECT DEPTHS
(see note)

NAME OF CHANNEL	PROJECT DEPTH MLLW (FEET)
TOWN POINT REACH TO NS RY BASCULE BRIDGE	25
NS RY BASCULE BRIDGE TO CAMPOSTELLA BRIDGE	25
CAMPOSTELLA BRIDGE TO NS RY SWING BRIDGE	25
TURNING BASIN	25

ELIZABETH RIVER SOUTHERN BRANCH PROJECT DEPTHS
(see note)

NAME OF CHANNEL	PROJECT DEPTH MLLW (FEET)
N&W RAILWAY LIFT BRIDGE REACH	35
GILMERTON BRIDGE REACH	35
ST. JULIANS CREEK TURNING BASIN	35
GILMERTON BRIDGE REACH TO END OF NEWTON CREEK TURNING BASIN	35
NEWTON CREEK TURNING BASIN (EAST AND WEST WIDENERS ONLY)	35
END OF NEWTON CREEK TURNING BASIN TO UPSTREAM LIMIT	25
MAINS CREEK TURNING BASIN	35

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 detailed channel information and minimum depths as reported by USACE, use NOAA Electronic Navigational Charts. USACE surveys and channel condition reports are available at http://navigation.usace.army.mil/Survey/Hydro.

CAUTION

Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.

NOTE B

INTRACOASTAL WATERWAY

The project depth from Norfolk to Pamlico River, NC, via Virginia Cut, is 12 feet; from Norfolk to Albemarle Sound, via Dismal Swamp Canal, 9 feet. Consult the U.S. Army Corps of Engineers for controlling depths and U.S. Coast Guard Local Notice to Mariners for other navigation hazards or restrictions.

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).

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). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.53" northward and 1.210" eastward to agree with this chart.

AUTHORITIES

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

CAUTION

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

CAUTION

BASCULE BRIDGE CLEARANCES

For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

SUPPLEMENTAL INFORMATION

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

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

HEIGHTS

Heights in feet above Mean High Water.

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.

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:
⊙(Accurate location) ○(Approximate location)

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 the regulations may be obtained at the Office of the Commander, 5th 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.

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.

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

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.

TIDAL INFORMATION

PLACE NAME	(LAT/LONG)	Height referred to datum of soundings (MLLW) Mean Higher High Water (feet)	Mean High Water (feet)	Mean Low Water (feet)
Craney Island	(36°54'N/76°20'W)	2.9	2.7	0.1
Norfolk	(36°51'N/76°18'W)	3.1	2.9	0.1
Portsmouth	(36°49'N/76°18'W)	3.1	2.9	0.1

Dashes (- - -) 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.
(Mar 2012)

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

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

Bottom characteristics:
Bldr boulders
bk broken
Cy clay
Co coral
G gravel
Grs grass
gy gray
h hard
M mud
Oys oysters
Rk rock
S sand
so soft
Sh shells
sy sticky

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

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	1990-2011	NOS Surveys	full bottom coverage
B1	1990-2011	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage
B5	Pre-1900	NOS Surveys	partial bottom coverage
e		U.S. Government Surveys	

SCALE 1:20,000
Nautical Miles
0 ½ 1
Yards
500 0 500 1000 1500 2000 2500

NORFOLK INNER HARBOR
Scale 1:10,000

SCALE 1:10,000
Nautical Miles
0 ½ 1
Yards
200 0 200 400 600

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - EAST COAST

VIRGINIA

NORFOLK HARBOR AND ELIZABETH RIVER

Mercator Projection
Scale 1:20,000 at Lat. 36°49'

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.

CONTINUED ON CHART 12206

12253

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.

SOUNDINGS IN FEET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

FATHOMS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
FEET 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102
METERS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Norfolk Harbor and Elizabeth River
SOUNDINGS IN FEET - SCALE 1:20,000

12253

Use NOAA electronic navigational charts for the most up-to-date information.

48th Ed., Jan. 2017. Last Correction: 4/8/2020. Cleared through:
LNM: 1021 (3/9/2021), NM: 1321 (3/27/2021)

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