NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION · U.S. DEPARTMENT OF COMMERCE · NOAA · NATIONAL OCEAN SURVEY

TIDAL INFORMATION

| Place | Mean High Water | Mean Tide Level | Mean Low Water | Extreme Low Water |
|---|---|---|---|---|
| | feet | feet | feet | feet |
| Cape Charles 37°06' - 75°59' | 3.0 | 1.5 | 0.0 | -2.5 |
| Windmill Point, Back River 37°06' - 76°18' | 2.3 | 1.2 | 0.0 | -3.0 |
| Old Point Comfort 37°00' - 76°19' | 2.5 | 1.2 | 0.0 | -3.5 |
| Hampton Roads 36°58' - 76°20' | 2.5 | 1.2 | 0.0 | -3.5 |
| Craney Island Light 36°54' - 76°20' | 2.6 | 1.3 | 0.0 | -3.5 |
| Lynnhaven Inlet 36°54' - 76°05' | 2.0 | 1.0 | 0.0 | -3.0 |
| Cape Henry 36°56' - 76°01' | 2.8 | 1.4 | 0.0 | -2.5 |

Height referred to datum of soundings (MLW). (173)

LOGARITHMIC SPEED SCALE

To find SPEED, place one point of dividers on nautical miles run and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in knots. Example: with 4.0 miles run in 15 minutes, the speed is 16.0 knots.

STORM WARNINGS

The National Weather Service displays storm warnings at the following approximate locations:
Cape Henry (36°55.8'-76°00.5')
Little Creek (36°55.0'-76°10.5')
Fort Monroe (37°00.1'-76°18.5')
Norfolk Navy Base (36°57.1'-76°19.9')

For Symbols and Abbreviations see Chart No. 1

HEIGHTS

Heights in feet above Mean High Water. Contour interval 20 feet. Relief is shown only where of importance to radar interpretation.

AUTHORITIES

Hydrography and topography by the National Ocean Survey (formerly the Coast and Geodetic Survey) with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard and Defense Mapping Agency.

# UNITED STATES – EAST COAST
## VIRGINIA
# CHESAPEAKE BAY
## CAPE CHARLES TO NORFOLK HARBOR

1st Ed., Mar. 1964

Mercator Projection
Scale 1:40,000 at Lat. 37°00'

SOUNDINGS IN FEET
AT MEAN LOW WATER

CAUTION
FISH TRAP AREAS AND STRUCTURES

Mariners are warned that numerous uncharted duck blinds and fishing structures, some submerged, may exist in 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.

PLANE COORDINATE GRID

The Virginia State plane coordinate grid (South Zone) is indicated on this chart at 20,000 foot intervals thus: The last three digits are omitted.

CAUTION

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

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 privately maintained buoys are not all listed in the Coast Guard Light List.

SUPPLEMENTAL INFORMATION

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

AIDS TO NAVIGATION

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

Nautical Chart Catalog No. 1, Panel D

12222 (formerly C&GS 562)

NORFOLK HARBOR AND APPROACHES

Tabulated from surveys by the Corps of Engineers-reports to Nov. 1974 and surveys to Sept. 1974

| Name of Channel | Left outside quarter | Left inside quarter | Right inside quarter | Right outside quarter | Date of Survey | Width (feet) | Length (naut. miles) | Depth M.L.W. (feet) |
|---|---|---|---|---|---|---|---|---|
| | Controlling depths in channels entering from seaward in feet at Mean Low Water | | | | | Project Dimensions | | |
| Thimble Shoal Channel[a] | 45.0 | 45.0 | 45.0 | 45.0 | 8,9-74 | 1000 | 9.9 | 45 |
| North Auxiliary Channel | 32.0 | 31.3 | 32.0 | 32.0 | 8,9-74 | 450 | 9.9 | 32 |
| South Auxiliary Channel | 32.0 | 32.0 | 30.3 | 32.0 | 8,9-74 | 450 | 9.9 | 32 |
| North Harbor Entrance Reach | 45.0 | 45.0 | 45.0 | 45.0 | 7-74 | 1500 800 | 1.4 | 45 |
| Norfolk Harbor Reach | 42.0 | 44.1 | 44.0 | 39.4 | 6,7-74 | 1500 | 3.8 | 45 |
| Craney Island Reach | 43.0 | 44.4 | 45.0 | 44.8 | 6-74 | 800 | 2.1 | 45 |
| Lambert Bend | 40.0 | 40.0 | 40.0 | 40.0 | 2-74 | 750 | 0.3 | 40 |
| Port Norfolk Reach | 40.0 | 40.0 | 40.0 | 40.0 | 2-74 | 750 | 2.0 | 40 |
| Newport News Channel | b39.5 | 45.0 | 45.0 | 45.0 | 7-73 | 800 | 4.2 | 45 |
| Hampton R. Entrance Channel | 12.0 | | 12.0 | 11.4 | 5-71,8-73 | 200 | 1.1 | 12 |
| Hampton Reach | 12.0 | | 12.0 | 12.0 | 5-71 | 150 | 1.2 | 12 |
| Sunset Creek East Reach | 12.0 | | 12.0 | 12.0 | 3-67 | 100 | 0.2 | 12 |
| West Reach | 12.0 | | 12.0 | 12.0 | 3-67 | 80 | 0.3 | 12 |
| Phoebus Channel | 12.0 | | 11.8 | 11.6 | 3-70 | 150 | 0.7 | 12 |

a. This channel is restricted to exclude vessels and tows drawing less than 20 feet. There are no restrictions to passenger ships.
b. Depth was located over a wreck in 36°57'53"N., 76°20'40"W. 44.2 feet was available in the remainder of the quarter.

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12222
(formerly C&GS 562)

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the print date shown in the lower left hand corner.

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AMERICAN REVOLUTION BICENTENNIAL 1776-1976

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

SOUNDINGS IN FEET

NOTE G
TRAFFIC SEPARATION SCHEME
The RECOMMENDED route for entering and departing from Chesapeake Bay is marked by a tinted purple line centered on a line of fairway buoys which separates the courses of inbound and outbound vessels. Vessels should leave all buoys on their port hand. The pilotage area is marked by a tinted purple band. The traffic separation scheme has been designed to aid in the prevention of collisions at the approaches to Chesapeake Bay but is not intended in any way to supersede or alter the applicable Rules of the Road.

(Cape Charles to Norfolk Harbor)
12222
SOUNDINGS IN FEET - SCALE 1:40,000
(formerly C&GS 562)

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