SOUNDINGS IN FEET

12225

LORAN-C OVERPRINTED

NOTE B
TRAFFIC SEPARATION SCHEME
One-way traffic lanes overprinted on this chart in the vicinity of Smith Point are RECOMMENDED for all vessels except small craft. They have been designed to aid in the prevention of collisions but are not intended in any way to supersede or alter the applicable Rules of the Road. The recommended route is marked by a fairway buoy and a tinted magenta band which separates the courses of inbound and outbound vessels. Vessels should leave the buoy on their port hand.

Formerly C&GS 1223, 1st Ed., Oct. 1912 D-1955-113

Nautical Chart Catalog No. 1, Panels D, E

Nautical Miles 1 0 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 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69

Yards 0 1000 2000 3000 4000 5000 6000

RAPPAHANNOCK SHOAL CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 1995 AND SURVEYS TO FEB 1995

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTER QUARTER	LEFT INNER QUARTER	RIGHT INNER QUARTER	RIGHT OUTER QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH MLW (FEET)
RAPPAHANNOCK SHOAL CHANNEL	50.0	50.0	50.0	50.0	11-94;2-95	1200A	10.0	50

A. CHANNEL WIDTH MAINTAINED TO 800 FEET.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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 U.S. Coast Guard Light List.

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.

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

RAPPAHANNOCK RIVER BRIDGE
A fixed green light between two fixed red lights marks the center of the span.

LORAN-C
GENERAL EXPLANATION

LORAN-C FREQUENCY 100kHz
PULSE REPETITION INTERVAL
9960 ..... 99,600 Microseconds
STATION TYPE DESIGNATORS: (Not individual station letter designators)
M ..... Master
W ..... Secondary
X ..... Secondary
Y ..... Secondary
Z ..... Secondary
EXAMPLE: 9960-X

RATES ON THIS CHART
9960-X 9960-Y

The Loran-C correction tables published by the Defense Mapping Agency or others should not be used with this chart. The lines of position shown have been adjusted based on survey data. Every effort has been made to meet the ¼ nautical mile accuracy criteria established by U.S. Coast Guard. Mariners, however, are cautioned not to rely solely on the lattices in inshore waters.

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Norfolk, Va	KHB-37	162.55 MHz
Lewisberry, Md	KEC-52	162.475 MHz
Heathsville, Va	WXM-57	162.40 MHz

LORAN LINEAR INTERPOLATOR
MICROSECONDS 0 20 40 60 80 100

SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Charted hydrography may originate from these and prior surveys.

SOURCE

a 1948 - 59	NOS Surveys	1:10,000
b 1961 - 85	NOS Surveys	1:20,000
c 1972 - 95	Corps of Engineers Surveys	
d	Miscellaneous	

NOAA
COAST SURVEY

UNITED STATES – EAST COAST
VIRGINIA-MARYLAND

CHESAPEAKE BAY
WOLF TRAP TO SMITH POINT

Mercator Projection
Scale 1:80,000 at Lat. 37°40'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

TIDAL INFORMATION

Place		Height referred to datum of soundings (MLLW)				
Name	(LAT,LONG)	Mean High Water feet	Higher High Water feet	Mean High Water feet	Mean Low Water feet	Extreme Low Water feet
Nassawadox Creek	(37°28'N/75°56'W)	2.1	2.9	1.9	0.1	-3.0
Wattis Island	(37°48'N/75°54'W)	1.8	1.7	1.7	0.1	-3.0
Smith Point Light	(37°53'N/76°01'W)	1.4	1.3	1.3	0.1	-3.0
Stingray Point	(37°34'N/76°18'W)	1.4	1.3	1.3	0.1	-3.0
Wolf Trap Light	(37°22'N/76°01'W)	1.8	1.7	1.7	0.1	-3.0

(796)

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated):
ABRO aeronautical beacon
Al alternating
B black
Bn beacon
C can
DIA diaphone
F fixed
Fl flashing
G green
Gp group(ed)
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:
Blds boulders
bk broken
Cy clay
Co coral
G gravel
Grs grass
gy grassy
h hard
M mud
Oys oysters
Rk rock
S sand
so soft
Sh shells
sy sticky
Miscellaneous
AUTH authorized
ED existence doubtful
Ex existence
Obstn obstruction
PA position approximate
PD position doubtful
Rep reported
Subm submerged
(2) Rocks that 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 Engineers, Geological Survey, and U.S. Coast Guard.

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

CAUTION
Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus:

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.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 3. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, Fifth Coast Guard District in Portsmouth, Va. or at the Office of the District Engineer, Corps of Engineers in Norfolk, Va.
Refer to charted regulation section numbers.

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.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) and 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 0.482" northward and 1.225" westward to agree with this chart.

Nautical Miles 0 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 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69

Yards 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000 15000 16000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000 28000 29000 30000 31000 32000 33000 34000 35000 36000 37000 38000 39000 40000 41000 42000 43000 44000 45000 46000 47000 48000 49000 50000 51000 52000 53000 54000 55000 56000 57000 58000 59000 60000 61000 62000 63000 64000 65000 66000 67000 68000 69000

(Inner neatline 76.30 cm. N.S. X 95.58 cm. E.W.)

(CONTINUED ON CHART 12233) (JOINS CHART 12230) (JOINS CHART 12234) (CONTINUED ON CHART 12238) (JOINS CHART 12227) (CONTINUED ON CHART 12224) (CONTINUED ON CHART 12232) (CONTINUED ON CHART 12235)

48th Ed., April 27/96

12225

LORAN-C OVERPRINTED

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

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (NCS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910 - 3282.

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

SOUNDINGS IN FEET

FATHOMS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
FEET 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 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69
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 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69

(Chesapeake Bay, Wolf Trap to Smith Point)
SOUNDINGS IN FEET - SCALE 1:80,000

12225
LORAN-C OVERPRINTED

BB MC 48
DMA12225NO
12A1A12225