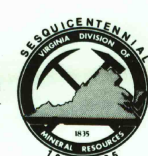


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



PINEY POINT QUADRANGLE  
MARYLAND-VIRGINIA  
7.5 MINUTE SERIES (TOPOGRAPHIC-BATHYMETRIC)

NE/4 PINEY POINT 15' QUADRANGLE  
LEONARDTOWN 8 MI.



CONVERSION  
SCALES

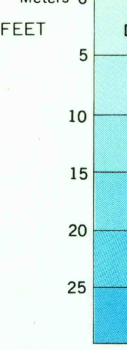


Feet	Meters
1	3048
2	6096
3	9144
4	12192
5	15240
6	18288
7	21336
8	24384
9	27432
10	30480

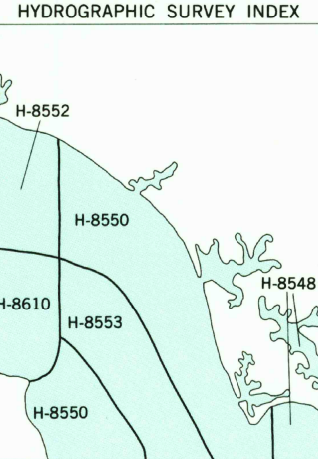
To convert feet to meters  
multiply by 3.048

To convert meters to feet  
multiply by 3.2808

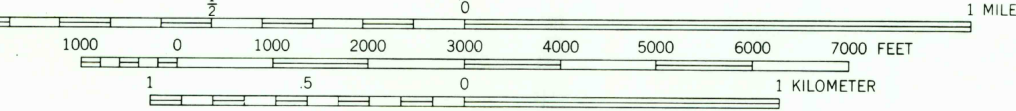
Exposed at low  
DEPTH GRAD



Mapped, edited, and published by the Geological Survey  
and the National Ocean Survey in cooperation with  
Commonwealth of Virginia agencies  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs taken  
1967. Field checked 1968  
Bathymetry compiled by the National Ocean Survey from tide-coordinated  
hydrographic surveys. This information is not intended for navigational  
purposes  
Mean low water (dotted) line and mean high water (heavy solid) line  
compiled by NOS from tide-coordinated photographs. Apparent shoreline  
(outer edge of vegetation) shown by light solid line  
Polyconic projection, 10,000-foot grid ticks based on Maryland coordinate  
system and Virginia coordinate system, north zone  
1000-meter Universal Transverse Mercator grid, zone 18  
1927 North American Datum  
To place on the predicted North American Datum 1983 move the  
projection lines 9 meters south and 28 meters west as shown by dashed  
corner ticks  
Revisions shown in purple compiled in cooperation with Commonwealth  
of Virginia agencies from aerial photographs taken 1978 and other  
sources. This information not field checked. Map edited 1980

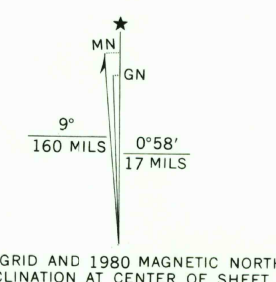


Survey Number	Survey Date	Survey Scale	Survey Line Spacing (Feet, Meters)
H-8548	1960	1:10,000	02-07
H-8550	1960	1:10,000	01-08
H-8552	1960	1:10,000	02-07
H-8553	1960	1:20,000	03-20
H-8610	1960-61	1:10,000	02-07



CONTOUR INTERVAL 10 FEET  
DASHED LINES REPRESENT 5-FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
BATHYMETRIC CONTOUR INTERVAL 1 METER  
WITH SUPPLEMENTARY 0.5 METER CONTOURS  
DATUM IS MEAN LOW WATER  
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE  
THE MEAN RANGE OF TIDE IS APPROXIMATELY 0.4 METER

BASE MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
BATHYMETRIC SURVEY DATA COMPLIES WITH INTERNATIONAL HYDROGRAPHIC  
ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS  
AND/OR STANDARDS USED AT THE DATE OF THE SURVEY  
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092,  
NATIONAL OCEAN SURVEY, ROCKVILLE, MARYLAND 20852,  
AND VIRGINIA DIVISION OF MINERAL RESOURCES, CHARLOTTESVILLE, VIRGINIA 22903  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION  
Secondary highway, all weather, Light-duty road, all weather,  
hard surface improved surface  
Unimproved road, fair or dry  
weather  
State Route

PINEY POINT, MD.-VA.

N3807.5-W7630/7.5

1968  
PHOTOREVISED 1980  
BATHYMETRY ADDED 1982  
DMA 5660 II NE-SERIES V833

