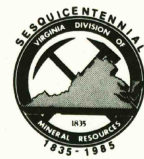


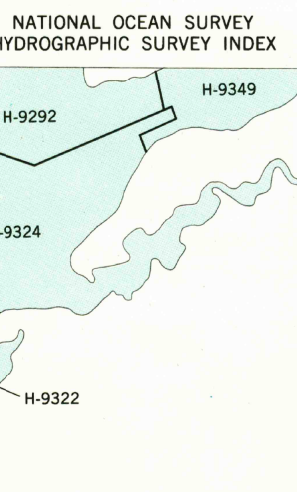


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



INDIAN HEAD QUADRANGLE  
MARYLAND-VIRGINIA  
7.5 MINUTE SERIES (TOPOGRAPHIC-BATHYMETRIC)  
SW/4 INDIAN HEAD 15' QUADRANGLE

Mapped by the Defense Mapping Agency  
Edited and published by the Geological Survey  
and the National Ocean Survey  
Control by USGS, NOS/NOAA, and USCE  
Topography by photogrammetric methods from aerial  
photographs taken 1950. Field checked 1956. Revised by the  
Geological Survey 1966  
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 aerial 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 26 meters  
west as shown by dashed corner ticks  
There may be private inholdings within the boundaries of the  
National or State reservations shown on this map  
Revisions shown in purple compiled by the Geological Survey  
in cooperation with the Commonwealth of Virginia agencies  
from aerial photographs taken 1977 and other sources. This  
information not field checked. Map edited 1978



Survey Number	Survey Date	Survey Scale	Survey Line spacing (Nautical Miles)
H-9292	1973	1:10,000	02-05
H-9322	1972	1:10,000	01-06
H-9324	1972-74	1:10,000	01-05
H-9349	1973	1:10,000	01-05

SCALE 1:24,000  
CONTOUR INTERVAL 10 FEET  
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 0.5 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



UTM GRID AND 1978 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
State Route ———  
INDIAN HEAD, MD.-VA.  
SW/4 INDIAN HEAD 15' QUADRANGLE  
38077-E2-TB-024

1966  
PHOTOREVISED 1978  
BATHYMETRY ADDED 1982  
DMA 5561 II SW—SERIES V833

