39076-A1-TB-250

Baltimore

MARYLAND–PENNSYLVANIA–VIRGINIA–WEST VIRGINIA

1:250 000-scale *metric* topographic-bathymetric map

1 X 2 DEGREE QUADRANGLE SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names
- Bathymetric contours in meters

U.S. GEOLOGICAL SURVEY
NATIONAL OCEAN SERVICE

1989

Produced by the United States Geological Survey and the National Ocean Service

Compiled from USGS 1:100 000-scale topographic maps dated 1983-84
Supersedes map dated 1978. Map edited 1989

Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes

Mean lower low water (dotted) line and mean high water (heavy solid) line compiled by NOS from tide-coordinated aerial photographs

North American Datum of 1983 (NAD 83). Projection and
10 000-meter grid: Universal Transverse Mercator, zone 18
25 000-meter grid ticks: Maryland, Pennsylvania (south zone), Virginia (north zone), and West Virginia (north zone). Coordinate Systems of 1983

The difference between NAD 83 and North American Datum of 1927 (NAD 27) for 7.5 minute intersections is given in USGS Bulletin 1875

There may be private inholdings within the boundaries of the National or State reservations shown on this map

1989 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 9½° (169 MILS) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 11° (196 MILS) WESTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 6.5' WESTERLY

CONTOUR INTERVAL 40 METERS WITH SUPPLEMENTARY CONTOURS AT 20 METER INTERVALS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER
BATHYMETRIC CONTOUR INTERVAL 2 METERS
DATUM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

BASE MAP COMPILES WITH NATIONAL MAP ACCURACY STANDARDS. BATHYMETRIC SURVEY DATA COMPLIES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEYS

CONVERSION TABLE

Meters	Feet	Feet	Meters
1	3.2808	1	.3048
2	6.5617	2	.6096
3	9.8425	3	.9144
4	13.1234	4	1.2192
5	16.4042	5	1.5240
6	19.6850	6	1.8288
7	22.9659	7	2.1336
8	26.2467	8	2.4384
9	29.5276	9	2.7432
10	32.8084	10	3.0480

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

ADJOINING MAPS

1	2	3
4		5
6	7	8

1 Pittsburgh
2 Harrisburg
3 Newark
4 Cumberland
5 Wilmington
6 Charlottesville
7 Washington
8 Salisbury

FOR SALE BY U. S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852

Topographic Map Symbols

- Dual highway; interchange
- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, hard or improved surface
- Other road; trail
- Route marker: Interstate; U.S.; State
- Bridge: overpass; underpass
- Tunnel: road; railroad
- Railroad: standard gauge; single, multiple track
- Railroad: narrow gauge; single, multiple track
- Built-up area; locality; elevation
- Airport: runway pattern known; unknown
- National boundary
- State boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U.S. public lands survey: range, township (surveyed)
- U.S. public lands survey: range, township (protracted)
- Powerline; pipeline; aboveground, underground
- Dam; landmark feature; landmark building
- Well; water, other; spring; tank
- Cave; mine, quarry; oil platform
- Landmark area; landmark racetrack
- Distorted surface; strip mine, lava; sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; primary
- Bathymetric contours: intermediate; supplementary
- Stream, lake: perennial; intermittent
- Rapids, large and small; falls, large and small
- Land subject to controlled inundation; marsh, swamp
- Woodland; orchard, vineyard
- Mangrove

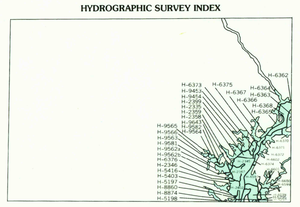
A pamphlet describing topographic maps is available on request

Figures in red denote approximate distances in kilometers between markers

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (Naut. Miles)	SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (Naut. Miles)
H-2335	1897	1:20,000	.03-.17	H-6373	1938	1:10,000	01-.05
H-2345	1896-97	1:20,000	.03-.18	H-6374	1938	1:10,000	02-.06
H-2346	1897	1:10,000	.01-.05	H-6375	1938	1:20,000	02-.10
H-2347	1897	1:10,000	.01-.08	H-6376	1938	1:10,000	02-.06
H-2358	1898	1:10,000	.10-.15	H-6597	1940	1:10,000	01-.06
H-2359	1898	1:10,000	.10-.16	H-6598	1940	1:10,000	02-.06
H-2399	1898	1:20,000	.50-3.3	H-6599	1940	1:10,000	01-.08
H-2402	1898	1:20,000	.36-.26	H-6600	1940	1:10,000	01-.06
H-5197	1902	1:20,000	.02-.17	H-6601	1940	1:10,000	01-.05
H-5198	1902	1:10,000	.01-.12	H-6602	1940	1:10,000	02-.05
H-5237	1902	1:20,000	.02-.30	H-8860	1965	1:10,000	02-.07
H-5295	1902	1:10,000	.01-.13	H-8874	1965	1:10,000	01-1.0
H-5403	1903	1:10,000	.01-.04	H-9453	1974	1:10,000	01-.08
H-5416	1903	1:10,000	.02-.10	H-9454	1974	1:10,000	01-.08
H-6362	1938	1:10,000	.01-.06	H-9562a	1975-76	1:10,000	02-.06
H-6363	1938	1:10,000	.02-.08	H-9562b	1975-76	1:10,000	02-.06
H-6364	1938	1:10,000	.01-.06	H-9563	1976	1:5,000	01-.04
H-6365	1938	1:10,000	.02-1.0	H-9564	1975-76	1:5,000	01-.04
H-6366	1938	1:10,000	.02-.07	H-9565	1975-76	1:5,000	01-.03
H-6367	1938	1:10,000	.02-.07	H-9566	1976	1:5,000	01-.03
H-6368	1938	1:20,000	.05-1.0	H-9581	1975-76	1:5,000	01-.03
H-6370	1938	1:10,000	.01-.06	H-9582	1975	1:5,000	01-.03
H-6371	1938	1:10,000	.01-.06	H-9643	1976	1:5,000	01-.03
H-6372	1938	1:10,000	.01-.06				

HYDROGRAPHIC SURVEY INDEX



Photographic copies of the above and prior surveys may be obtained, at the cost of reproduction, by addressing the Director (N/CG 243), National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852