

# Washington

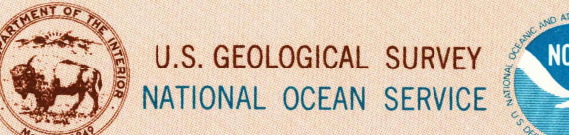
D. C.—MARYLAND—VIRGINIA

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



1989

Produced by the United States Geological Survey  
and the National Ocean Service  
Compiled from USGS 1:100 000-scale maps dated 1983 and 1986  
Supersedes map dated 1957. Map edited 1989

Bathymetry compiled by the National Ocean Service from  
tide-contoured 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-contoured aerial photographs. Apparent  
shoreline (outer edge of vegetation) shown by light solid line  
Projection and 100 000-meter grid, zone 18: Universal Transverse Mercator  
100 000-foot grid ticks based on Virginia coordinate system  
north and south zones, and Maryland coordinate system  
1927 North American Datum  
To place on the predicted North American Datum 1983, move the projection  
lines 9 meters south and 26 meters west  
There may be private inholdings within the boundaries of the National  
or State reservations shown on this map

1988 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 9° (10 MILS)  
WESTERLY FOR THE CENTER OF THE WEST EDGE TO 10° (10 MILS) WESTERLY FOR  
THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 6.7 WESTERLY

CONTOUR INTERVAL 20 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
BATHYMETRIC CONTOUR INTERVAL 2 METERS  
DATUM IS MEAN LOWER LOW WATER  
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

BASE MAP COMPLES WITH NATIONAL MAP ACCURACY  
STANDARDS. BATHYMETRIC SURVEY DATA COMPLES WITH  
INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL  
PUBLICATION 14 ACCURACY STANDARDS AND/OR STANDARDS  
USED AS OF THE DATE OF THE SURVEYS

CONVERSION TABLE			
Meters	Feet	Feet	Meters
1	3.281	1	0.305
2	6.562	2	0.609
3	9.843	3	0.914
4	13.124	4	1.219
5	16.404	5	1.524
6	19.685	6	1.829
7	22.966	7	2.134
8	26.247	8	2.438
9	29.528	9	2.743
10	32.808	10	3.048

To convert meters to feet  
multiply by 3.2808

To convert feet to meters  
multiply by 0.3048

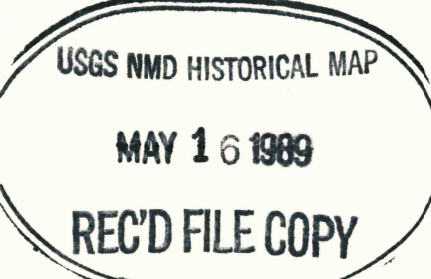
ADJOINING MAPS		
1	2	3
4	5	
6	7	8

1 Cumberland  
2 Baltimore  
3 Wilmington  
4 Charlottesville  
5 Salisbury  
6 Boonville  
7 Richmond  
8 Chincoteague

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 (protected)  
Powerline, pipeline, aboveground, underground  
Dam, landmark feature, landmark building  
Well, water, other, spring, tank  
Cave, mine, quarry, oil platform  
Landmark area, landmark structure  
Distorted surface: ship 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  
Nagrove
- A pamphlet describing topographic maps is available on request  
Figures in red denote approximate distances in kilometers between markers



## WASHINGTON, D. C.—MD.—VA.



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38076-A1-TB-250

1989

### HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (Feet, Meters)	SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (Feet, Meters)	SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (Feet, Meters)
H-812	1860	1:10,000	03-23	H-688	1944	1:10,000	01-06	H-8496	1959	1:20,000	03-10
H-813	1860	1:10,000	03-24	H-689	1944	1:10,000	01-06	H-8497	1959	1:20,000	03-10
H-814	1860	1:10,000	03-25	H-690	1944	1:10,000	01-06	H-8498	1959	1:20,000	03-10
H-815	1860	1:10,000	03-26	H-691	1944	1:10,000	01-06	H-8499	1959	1:20,000	03-10
H-816	1860	1:10,000	03-27	H-692	1944	1:10,000	01-06	H-8500	1959	1:20,000	03-10
H-817	1860	1:10,000	03-28	H-693	1944	1:10,000	01-06	H-8501	1959	1:20,000	03-10
H-818	1860	1:10,000	03-29	H-694	1944	1:10,000	01-06	H-8502	1959	1:20,000	03-10
H-819	1860	1:10,000	03-30	H-695	1944	1:10,000	01-06	H-8503	1959	1:20,000	03-10
H-820	1860	1:10,000	03-31	H-696	1944	1:10,000	01-06	H-8504	1959	1:20,000	03-10
H-821	1860	1:10,000	03-32	H-697	1944	1:10,000	01-06	H-8505	1959	1:20,000	03-10
H-822	1860	1:10,000	03-33	H-698	1944	1:10,000	01-06	H-8506	1959	1:20,000	03-10
H-823	1860	1:10,000	03-34	H-699	1944	1:10,000	01-06	H-8507	1959	1:20,000	03-10
H-824	1860	1:10,000	03-35	H-700	1944	1:10,000	01-06	H-8508	1959	1:20,000	03-10
H-825	1860	1:10,000	03-36	H-701	1944	1:10,000	01-06	H-8509	1959	1:20,000	03-10
H-826	1860	1:10,000	03-37	H-702	1944	1:10,000	01-06	H-8510	1959	1:20,000	03-10
H-827	1860	1:10,000	03-38	H-703	1944	1:10,000	01-06	H-8511	1959	1:20,000	03-10
H-828	1860	1:10,000	03-39	H-704	1944	1:10,000	01-06	H-8512	1959	1:20,000	03-10
H-829	1860	1:10,000	03-40	H-705	1944	1:10,000	01-06	H-8513	1959	1:20,000	03-10
H-830	1860	1:10,000	03-41	H-706	1944	1:10,000	01-06	H-8514	1959	1:20,000	03-10
H-831	1860	1:10,000	03-42	H-707	1944	1:10,000	01-06	H-8515	1959	1:20,000	03-10
H-832	1860	1:10,000	03-43	H-708	1944	1:10,000	01-06	H-8516	1959	1:20,000	03-10
H-833	1860	1:10,000	03-44	H-709	1944	1:10,000	01-06	H-8517	1959	1:20,000	03-10
H-834	1860	1:10,000	03-45	H-710	1944	1:10,000	01-06	H-8518	1959	1:20,000	03-10
H-835	1860	1:10,000	03-46	H-711	1944	1:10,000	01-06	H-8519	1959	1:20,000	03-10
H-836	1860	1:10,000	03-47	H-712	1944	1:10,000	01-06	H-8520	1959	1:20,000	03-10
H-837	1860	1:10,000	03-48	H-713	1944	1:10,000	01-06	H-8521	1959	1:20,000	03-10
H-838	1860	1:10,000	03-49	H-714	1944	1:10,000	01-06	H-8522	1959	1:20,000	03-10
H-839	1860	1:10,000	03-50	H-715	1944	1:10,000	01-06	H-8523	1959	1:20,000	03-10
H-840	1860	1:10,000	03-51	H-716	1944	1:10,000	01-06	H-8524	1959	1:20,000	03-10
H-841	1860	1:10,000	03-52	H-717	1944	1:10,000	01-06	H-8525	1959	1:20,000	03-10
H-842	1860	1:10,000	03-53	H-718	1944	1:10,000	01-06	H-8526	1959	1:20,000	03-10
H-843	1860	1:10,000	03-54	H-719	1944	1:10,000	01-06	H-8527	1959	1:20,000	03-10
H-844	1860	1:10,000	03-55	H-720	1944	1:10,000	01-06	H-8528	1959	1:20,000	03-10
H-845	1860	1:10,000	03-56	H-721	1944	1:10,000	01-06	H-8529	1959	1:20,000	03-10
H-846	1860	1:10,000	03-57	H-722	1944	1:10,000	01-06	H-8530	1959	1:20,000	03-10
H-847	1860	1:10,000	03-58	H-723	1944	1:10,000	01-06	H-8531	1959	1:20,000	03-10
H-848	1860	1:10,000	03-59	H-724	1944	1:10,000	01-06	H-8532	1959	1:20,000	03-10
H-849	1860	1:10,000	03-60	H-725	1944	1:10,000	01-06	H-8533	1959	1:20,000	03-10
H-850	1860	1:10,000	03-61	H-726	1944	1:10,000	01-06	H-8534	1959	1:20,000	03-10
H-851	1860	1:10,000	03-62	H-727	1944	1:10,000	01-06	H-8535	1959	1:20,000	03-10
H-852	1860	1:10,000	03-63	H-728	1944	1:10,000	01-06	H-8536	1959	1:20,000	03-10
H-853	1860	1:10,000	03-64	H-729	1944	1:10,000	01-06	H-8537	1959	1:20,000	03-10
H-854	1860	1:10,000	03-65	H-730	1944	1:10,000	01-06	H-8538	1959	1:20,000	03-10
H-855	1860	1:10,000	03-66	H-731	1944	1:10,000	01-06	H-8539	1959	1:20,000	03-10
H-856	1860	1:10,000	03-67	H-732	1944	1:10,000	01-06	H-8540	1959	1:20,000	03-10
H-857	1860	1:10,000	03-68	H-733	1944	1:10,000	01-06	H-8541	1959	1:20,000	03-10
H-858	1860	1:10,000	03-69	H-734	1944	1:10,000	01-06	H-8542	1959	1:20,000	03-10
H-859	1860	1:10,000	03-70	H-735	1944	1:10,000	01-06	H-8543	1959	1:20,000	03-10
H-860	1860	1:10,000	03-71	H-736	1944	1:10,000	01-06	H-8544	1959	1:20,000	03-10
H-861	1860	1:10,000	03-72	H-737	1944	1:10,000	01-06	H-8545	1959	1:20,000	03-10
H-862	1860	1:10,000	03-73	H-738	1944	1:10,000	01-06	H-8546	1959	1:20,000	03-10
H-863	1860	1:10,000	03-74	H-739	1944	1:10,000	01-06	H-8547	1959	1:20,000	03-10
H-864	1860	1:10,000	03-75	H-740	1944	1:10,000	01-06	H-8548	1959	1:20,000	03-10
H-865	1860	1:10,000	03-76	H-741	1944	1:10,000	01-06	H-8549	1959	1:20,000	03-10
H-866	1860	1:10,000	03-77	H-742	1944	1:10,000	01-06	H-8550	1959	1:20,000	03-10
H-867	1860	1:10,000	03-78	H-743	1944	1:10,000	01-06	H-8551	1959	1:20,000	03-10
H-868	1860	1:10,000	03-79	H-744	1944	1:10,000	01-06	H-8552	1959	1:20,000	03-10
H-869	1860	1:10,000	03-80	H-745	1944	1:10,000	01-06	H-8553	1959	1:20,000	03-10
H-870	1860	1:10,000	03-81	H-746	1944	1:10,000	01-06	H-8554	1959	1:20,000	03-10
H-871	1860	1:10,000	03-82	H-747	1944	1:10,000	01-06	H-8555	1959	1:20,000	03-10
H-872	1860	1:10,000	03-83	H-748	1944	1:10,000	01-06	H-8556	1959	1:20,000	03-10
H-873	1860	1:10,000	03-84	H-749	1944	1:10,000	01-06	H-8557	1959	1:20,000	03-10
H-874	1860	1:10,000	03-85	H-750	1944	1:10,000	01-06	H-8558	1959	1:20,000	03-10
H-875	1860	1:10,000	03-86	H-751	1944	1:10,000	01-06	H-8559	1959	1:20,000	03-10
H-876	1860	1:10,000	03-87	H-752	1944	1:10,000	01-06	H-8560	1959	1:20,000	03-10
H-877	1860	1:10,000	03-88	H-753	1944	1:10,000	01-06	H-8561	1959	1:20,000	03-10
H-878	1860	1:10,000	03-89	H-754	1944	1:10,000	01-06	H-8562	1959	1:20,000	03-10
H-879	1860	1:10,000	03-90	H-755	1944	1:10,000	01-06	H-8563	1959	1:20,000	03-10
H-880	1860	1:10,000	03-91	H-756	1944	1:10,000	01-06	H-8564	1959	1:20,000	03-10
H-881	1860	1:10,000	03-92	H-757	1944	1:10,000	01-06	H-8565	1959	1:20,000	03-10
H-882	1860	1:10,000	03-93	H-758	1944	1:10,000	01-06	H-8566	1959	1:20,000	03-10
H-883	1860	1:10,000	03-94	H-759	1944	1:10,000	01-06	H-8567	1959	1:20,000	03-10
H-884	1860	1:10,000	03-95	H-760	1944	1:10,000	01-06	H-8568	1959	1:20,000	03-10
H-885	1860	1:10,000	03-96	H-761	1944	1:10,000	01-06	H-8569	1959	1:20,000	03-10
H-886	1860	1:10,000	03-97	H-762	1944	1:10,000	01-06	H-8570	1959	1:20,000	03-10
H-887	1860	1:10,000	03-98	H-763	1944	1:10,000	01-06	H-8571	1959	1:20,000	03-10
H-888	1860	1:10,000	03-99	H-764	1944	1:10,000	01-06	H-8572	1959	1:20,000	03-10
H-889	1860	1:10,000	04-00	H-765	1944	1:10,000	01-06	H-8573	1959	1:20,000	03-10
H-890	1860	1:10,000	04-01	H-766	1944	1:10,000	01-06	H-8574	1959	1:20,000	03-10
H-891	1860	1:10,000	04-02	H-767	1944	1:10,000	01-06	H-8575	1959	1:20,000	03-10
H-892	1860	1:10,000	04-03	H-768	1944	1:10,000	01-06	H-8576	1959	1:20,000	03-10
H-893	1860	1:10,000	04-04	H-769	1944	1:10,000	01-06	H-8577	1959	1:20,000	03-10
H-894	1860	1:10,000	04-05	H-770	1944	1:10,000	01-06	H-8578	1959	1:20,000	03-10
H-895	1860	1:10,000	04-06	H-771	1944	1:10,000	01-06	H-8579	1959	1:20,000	03-10
H-896	1860	1:10,000	04-07	H-772	1944	1:10,000	01-06	H-8580	1959	1:20,000	03-10
H-897	1860	1:10,000	04-08	H-773	1944	1:10,000	01-06	H-8581	1959	1:20,000	03-10
H-898	1860	1:10,000	04-09	H-774	1944	1:10,000	01-06	H-8582	1959	1:20,000	03-10
H-899	1860	1:10,000	04-10	H-775	1944	1:10,000	01-06	H-8583	1959	1:20,000	03-10
H-900	1860	1:10,000	04-11	H-776	1944	1:10,000	01-06	H-8584	1959	1:20,000	03-10
H-901	1860	1:10,000	04-12	H-777	1944	1:10,000	01-06	H-8585	1959	1:20,000	03-10
H-902	1860	1:10,000	04-13	H-778	1944	1:10,000	01-06	H-8586	1959	1:20,000	03-10
H-903	1860	1:10,000	04-14	H-779	1944	1:10,000	01-06	H-8587	1959	1:20,000	03-10
H-904	1860	1:10,000	04-15	H-780	1944	1:10,000	01-06	H-8588	1959	1:20,000	03-10
H-905	1860	1:10,000	04-16	H-781	1944	1:10,000	01-06	H-8589	1959	1:20,000	03-10
H-906	1860	1:10,000	04-17	H-782	1944	1:10,000	01-06	H-8590	1959	1:20,000	03-10
H-907	1860	1:10,000	04-18	H-783	1944	1:10,000	01-06	H			