

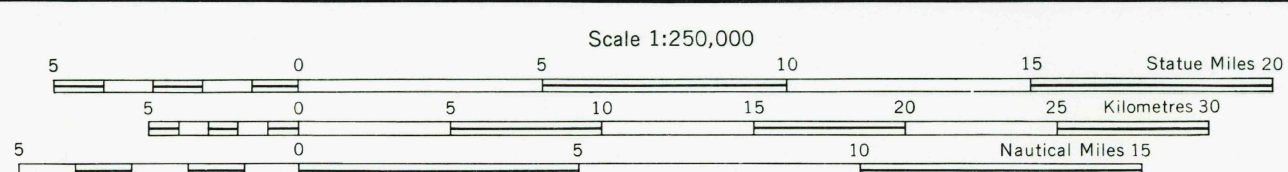
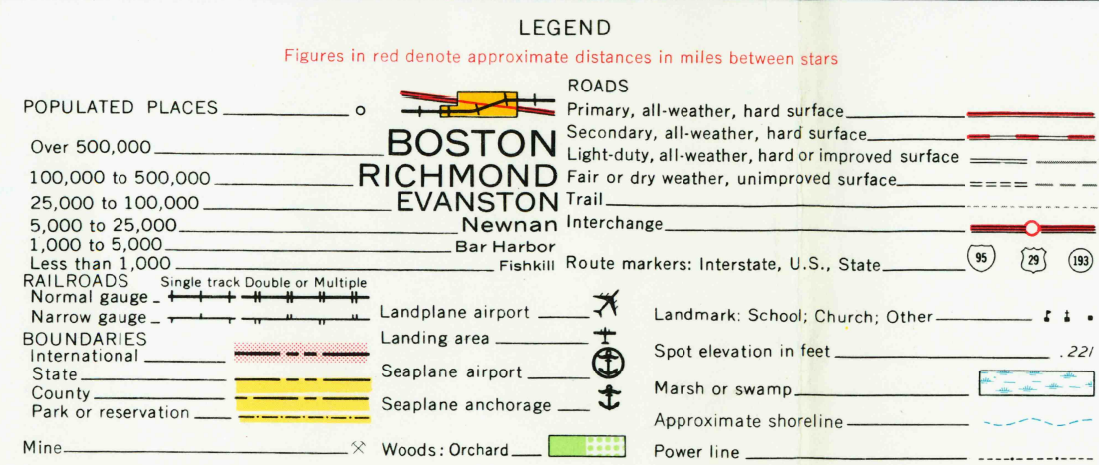
MAPPED, EDITED, AND PUBLISHED BY THE U.S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SURVEY.

Original topographic map prepared by the Defense Mapping Agency Topographic Center from 1:24,000-scale maps dated 1944-58. Field checked 1966. Planimetry revised in 1972 by the U.S. Geological Survey.

Bathymetry and shoreline compiled by the National Ocean Survey. Bathymetry from hydrographic surveys (see index on this map). Supplemented by other hydrographic sources. Shoreline (mean high water line) from National Ocean Survey nautical charts, which are compiled from tide-coordinated aerial photographs. This information is not intended for navigational purposes.

100,000-foot grid based on New Jersey, Delaware, Pennsylvania, south zone, and Maryland coordinate systems.

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.



CONTOUR INTERVAL 50 FEET
DOTTED LINES REPRESENT 25-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVAL 2 METRES
DATUM MEAN LOW WATER
SHORELINE SHOWN REPRESENTS MEAN HIGH WATER

TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 18

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 9° 10' (W) IN THE WESTERN PART OF THE SHEET TO 11° 10' (W) IN THE EASTERN PART OF THE SHEET

FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
OR NATIONAL OCEAN SURVEY, ROCKVILLE, MARYLAND 20852

EVALUATION OF HYDROGRAPHIC SURVEY ACCURACY

Survey Number	Survey Date	Scale	Survey Lineage (Feet, Meters)	Horizontal Positioning (Feet, Meters)	Vertical Positioning (Feet, Meters)	Scale	Survey Number	Survey Date	Scale	Survey Lineage (Feet, Meters)	Horizontal Positioning (Feet, Meters)	Vertical Positioning (Feet, Meters)	Scale
H-14784	1880	20,000	05-12 15-40	H-13883	1910	20,000	03-07 20-60	H-6254	1937	10,000	03-07 15-30		
H-14785	1880	20,000	05-10 15-40	H-13884	1910	20,000	03-07 20-60	H-6255	1937	10,000	03-07 15-30		
H-14786	1880	10,000	02-25 15-30	H-13885	1910	10,000	02-08 15-30	H-6256	1937	40,000	04-55 30-100		
H-14787	1880	10,000	06-16 15-30	H-13886	1910	10,000	02-11 15-30	H-6257	1937	40,000	05-50 30-100		
H-10094	1881	5,000	02-28 15-30	H-13887	1910	10,000	02-09 15-30	H-6258	1938	80,000	05-10 50-200		
H-10095	1881	10,000	02-14 15-30	H-13888	1910	10,000	03-08 15-30	H-6259	1938	10,000	01-06 15-30		
H-10096	1881	10,000	02-11 15-30	H-13889	1910	10,000	03-08 15-30	H-6260	1938	10,000	01-06 15-30		
H-10097	1881	10,000	02-11 15-30	H-13890	1910	10,000	03-08 15-30	H-6261	1938	10,000	01-06 15-30		
H-10098	1881	10,000	02-11 15-30	H-13891	1910	10,000	02-07 15-30	H-6262	1938	10,000	01-06 15-30		
H-10099	1881	10,000	02-11 15-30	H-13892	1910	10,000	02-07 15-30	H-6263	1938	10,000	01-06 15-30		
H-10100	1881	10,000	02-11 15-30	H-13893	1910	10,000	02-07 15-30	H-6264	1938	10,000	01-06 15-30		
H-10101	1881	10,000	02-11 15-30	H-13894	1910	10,000	02-07 15-30	H-6265	1938	10,000	01-06 15-30		
H-10102	1881	10,000	02-11 15-30	H-13895	1910	10,000	02-07 15-30	H-6266	1938	10,000	01-06 15-30		
H-10103	1881	10,000	02-11 15-30	H-13896	1910	10,000	02-07 15-30	H-6267	1938	10,000	01-06 15-30		
H-10104	1881	10,000	02-11 15-30	H-13897	1910	10,000	02-07 15-30	H-6268	1938	10,000	01-06 15-30		
H-10105	1881	10,000	02-11 15-30	H-13898	1910	10,000	02-07 15-30	H-6269	1938	10,000	01-06 15-30		
H-10106	1881	10,000	02-11 15-30	H-13899	1910	10,000	02-07 15-30	H-6270	1938	10,000	01-06 15-30		
H-10107	1881	10,000	02-11 15-30	H-13900	1910	10,000	02-07 15-30	H-6271	1938	10,000	01-06 15-30		
H-10108	1881	10,000	02-11 15-30	H-13901	1910	10,000	02-07 15-30	H-6272	1938	10,000	01-06 15-30		
H-10109	1881	10,000	02-11 15-30	H-13902	1910	10,000	02-07 15-30	H-6273	1938	10,000	01-06 15-30		
H-10110	1881	10,000	02-11 15-30	H-13903	1910	10,000	02-07 15-30	H-6274	1938	10,000	01-06 15-30		
H-10111	1881	10,000	02-11 15-30	H-13904	1910	10,000	02-07 15-30	H-6275	1938	10,000	01-06 15-30		
H-10112	1881	10,000	02-11 15-30	H-13905	1910	10,000	02-07 15-30	H-6276	1938	10,000	01-06 15-30		
H-10113	1881	10,000	02-11 15-30	H-13906	1910	10,000	02-07 15-30	H-6277	1938	10,000	01-06 15-30		
H-10114	1881	10,000	02-11 15-30	H-13907	1910	10,000	02-07 15-30	H-6278	1938	10,000	01-06 15-30		
H-10115	1881	10,000	02-11 15-30	H-13908	1910	10,000	02-07 15-30	H-6279	1938	10,000	01-06 15-30		
H-10116	1881	10,000	02-11 15-30	H-13909	1910	10,000	02-07 15-30	H-6280	1938	10,000	01-06 15-30		
H-10117	1881	10,000	02-11 15-30	H-13910	1910	10,000	02-07 15-30	H-6281	1938	10,000	01-06 15-30		
H-10118	1881	10,000	02-11 15-30	H-13911	1910	10,000	02-07 15-30	H-6282	1938	10,000	01-06 15-30		
H-10119	1881	10,000	02-11 15-30	H-13912	1910	10,000	02-07 15-30	H-6283	1938	10,000	01-06 15-30		
H-10120	1881	10,000	02-11 15-30	H-13913	1910	10,000	02-07 15-30	H-6284	1938	10,000	01-06 15-30		
H-10121	1881	10,000	02-11 15-30	H-13914	1910	10,000	02-07 15-30	H-6285	1938	10,000	01-06 15-30		
H-10122	1881	10,000	02-11 15-30	H-13915	1910	10,000	02-07 15-30	H-6286	1938	10,000	01-06 15-30		
H-10123	1881	10,000	02-11 15-30	H-13916	1910	10,000	02-07 15-30	H-6287	1938	10,000	01-06 15-30		
H-10124	1881	10,000	02-11 15-30	H-13917	1910	10,000	02-07 15-30	H-6288	1938	10,000	01-06 15-30		
H-10125	1881	10,000	02-11 15-30	H-13918	1910	10,000	02-07 15-30	H-6289	1938	10,000	01-06 15-30		
H-10126	1881	10,000	02-11 15-30	H-13919	1910	10,000	02-07 15-30	H-6290	1938	10,000	01-06 15-30		
H-10127	1881	10,000	02-11 15-30	H-13920	1910	10,000	02-07 15-30	H-6291	1938	10,000	01-06 15-30		
H-10128	1881	10,000	02-11 15-30	H-13921	1910	10,000	02-07 15-30	H-6292	1938	10,000	01-06 15-30		
H-10129	1881	10,000	02-11 15-30	H-13922	1910	10,000	02-07 15-30	H-6293	1938	10,000	01-06 15-30		
H-10130	1881	10,000	02-11 15-30	H-13923	1910	10,000	02-07 15-30	H-6294	1938	10,000	01-06 15-30		
H-10131	1881	10,000	02-11 15-30	H-13924	1910	10,000	02-07 15-30	H-6295	1938	10,000	01-06 15-30		
H-10132	1881	10,000	02-11 15-30	H-13925	1910	10,000	02-07 15-30	H-6296	1938	10,000	01-06 15-30		
H-10133	1881	10,000	02-11 15-30	H-13926	1910	10,000	02-07 15-30	H-6297	1938	10,000	01-06 15-30		
H-10134	1881	10,000	02-11 15-30	H-13927	1910	10,000	02-07 15-30	H-6298	1938	10,000	01-06 15-30		
H-10135	1881	10,000	02-11 15-30	H-13928	1910	10,000	02-07 15-30	H-6299	1938	10,000	01-06 15-30		
H-10136	1881	10,000	02-11 15-30	H-13929	1910	10,000	02-07 15-30	H-6300	1938	10,000	01-06 15-30		
H-10137	1881	10,000	02-11 15-30	H-13930	1910	10,000	02-07 15-30	H-6301	1938	10,000	01-06 15-30		
H-10138	1881	10,000	02-11 15-30	H-13931	1910	10,000	02-07 15-30	H-6302	1938	10,000	01-06 15-30		
H-10139	1881	10,000	02-11 15-30	H-13932	1910	10,000	02-07 15-30	H-6303	1938	10,000	01-06 15-30		
H-10140	1881	10,000	02-11 15-30	H-13933	1910	10,000	02-07 15-30	H-6304	1938	10,000	01-06 15-30		
H-10141	1881	10,000	02-11 15-30	H-13934	1910	10,000	02-07 15-30	H-6305	1938	10,000	01-06 15-30		
H-10142	1881	10,000	02-11 15-30	H-13935	1910	10,000	02-07 15-30	H-6306	1938	10,000	01-06 15-30		
H-10143	1881	10,000	02-11 15-30	H-13936	1910	10,000	02-07 15-30	H-6307	1938	10,000	01-06 15-30		
H-10144	1881	10,000	02-11 15-30	H-13937	1910	10,000	02-07 15-30	H-6308	1938	10,000	01-06 15-30		
H-10145	1881	10,000	02-11 15-30	H-13938	1910	10,000	02-07 15-30	H-6309	1938	10,000	01-06 15-30		
H-10146	1881	10,000	02-11 15-30	H-13939	1910	10,000	02-07 15-30	H-6310	1938	10,000	01-06 15-30		
H-10147	1881	10,000	02-11 15-30	H-13940	1910	10,000	02-07 15-30	H-6311	1938	10,000	01-06 15-30		
H-10148	1881	10,000	02-11 15-30	H-13941	1910	10,000	02-07 15-30	H-6312	1938	10,000	01-06 15-30		
H-10149	1881	10,000	02-11 15-30	H-13942	1910	10,000	02-07 15-30	H-6313	1938	10,000	01-06 15-30		
H-10150	1881	10,000	02-11 15-30	H-13943	1910	10,000	02-07 15-30	H-6314	1938	10,000	01-06 15-30		
H-10151	1881	10,000	02-11 15-30	H-13944	1910	10,000	02-07 15-30	H-6315	1938	10,000	01-06 15-30		
H-10152	1881	10,000	02-11 15-30	H-13945	1910	10,000	02-07 15-30	H-6316	1938	10,000	01-06 15-30		
H-10153	1881	10,000	02-11 15-30	H-13946	1910	10,000	02-07 15-30	H-6317	1938	10,000	01-06 15-30		
H-10154	1881	10,000	02-11 15-30	H-13947	1910	10,000	02-07 15-30	H-6318	1938	10,000	01-06 15-30		
H-10155	1881	10,000	02-11 15-30	H-13948	1910	10,000	02-07 15-30	H-6319	1938	10,000	01-06 15-30		
H-10156	1881	10,000	02-11 15-30	H-13949	1910	10,000	02-07 15-30	H-6320	1938	10,000	01-06 15-30		
H-10157	1881	10,000	02-11 15-30	H-13950	1910	10,000	02-07 15-30	H-6321	1938	10,000	01-06 15-30		
H-10158	1881	10,000	02-11 15-30	H-13951	1910	10,000	02-07 15-30	H-6322	1938	10,000	01-06 15-30		
H-10159	1881	10,000	02-11 15-30	H-13952	1910	10,000	02-07 15-30	H-6323	1938	10,000	01-06 15-30		
H-10160	1881	10,000	02-11 15-30	H-13953	1910	10,000	02-07 15-30	H-6324	1938	10,000	01-06 15-30		
H-10161	1881	10,000	02-11 15-30	H-13954	1910	10,000	02-07 15-30	H-6325	1938	10,000	01-06 15-30		
H-10162	1881	10,000	02-11 15-30	H-13955	1910	10,000	02-07 15-30	H-6326	1938	10,000	01-06 15-30		
H-10163	1881	10,000	02-11 15-30	H-13956	1910	10,000	02-07 15-30	H-6327	1938	10,000	01-06 15-30		
H-10164	1881	10,000	02-11 15-30	H-13957	1910	10,000	02-07 15-30	H-6328	1938	10,000	01-06 15-30		
H-10165	1881	10,000	02-11 15-30	H-13958	1910	10,000	02-07 15-30	H-6329	1938	10,000	01-06 15-30		
H-10166	1881	10,000	02-11 15-30	H-13959	1910	10,000	02-07 15-30	H-6330	1938	10,000	01-06 15-30		
H-10167	1881	10,000	02-11 15-30	H-13960	1910	10,000	02-07 15-30	H-6331	1938	10,000	01-06 15-30		
H-10168	1881	10,000	02-11 15-30	H-13961	1910	10,000	02-07 15-30	H-6332	1938	10,000	01-06 15-30		
H-10169	1881	10,000	02-11 15-30	H-13962	1910	10,000	02-07 15-30	H-6333	1938	10,000	01-06 15-30		
H-10170	1881	10,000	02-11 15-30	H-13963	1910	10,000							