TRENTON

NEW JERSEY–PENNSYLVANIA
NEW YORK

1:100 000-scale *metric* topographic–bathymetric map

30 X 60 MINUTE QUADRANGLE SHOWING

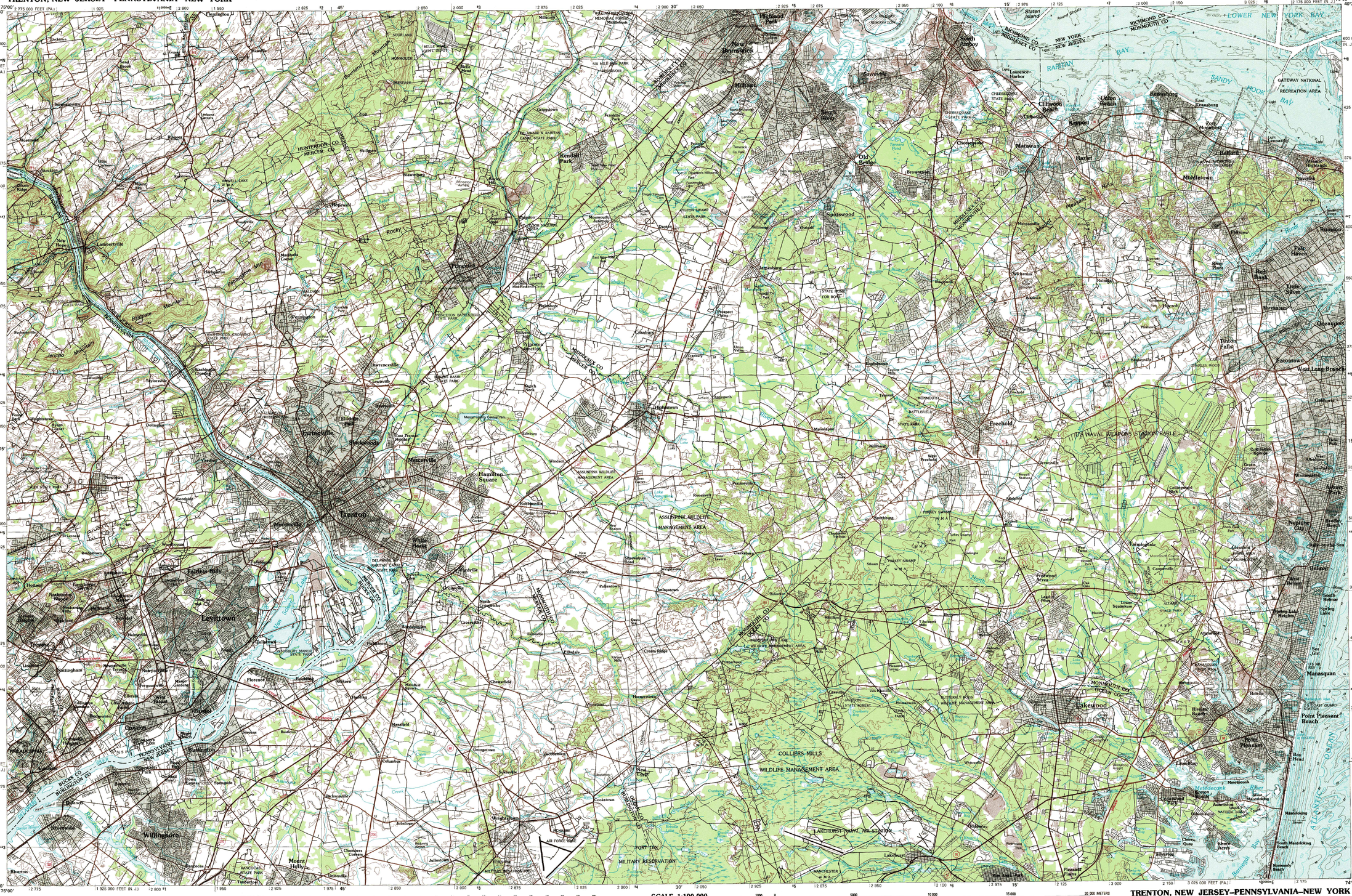
- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names
- Bathymetric contours in meters

U. S. GEOLOGICAL SURVEY
NATIONAL OCEAN SERVICE

1986

TRENTON, NEW JERSEY – PENNSYLVANIA – NEW YORK

30 X 60 MINUTE SERIES (TOPOGRAPHIC–BATHYMETRIC)



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

Compiled from USGS 1:24 000-scale topographic maps dated 1953-1973
Planimetry revised from aerial photographs taken 1980 and other source data. Revised information not field checked. Map edited 1986
Bathymetry compiled by the National Ocean Service 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
Projection and 10 000-meter grid, zone 18: Universal Transverse Mercator
25 000-foot grid ticks based on New Jersey coordinate system, and Pennsylvania coordinate system, south zone
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 6 meters south and 26 meters west
There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 10 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER
BATHYMETRIC CONTOUR INTERVAL 2 METERS WITH SUPPLEMENTARY 1 METER CONTOURS-MEAN LOW WATER DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

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 AS OF THE DATE OF THE SURVEYS

CONVERSION TABLE

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9659
8	26.2467
9	29.5276
10	32.8084

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

MN GN 11½° 204 MILS 0°19' 6 MILS

UTM grid convergence (GN) and 1986 magnetic declination (MN) at center of map
Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

1 Allentown
2 Newark
3 Long Island West
4 Reading
5 Long Branch
6 Wilmington
7 Hammonton
8

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

Topographic Map Symbols

Primary highway, hard surface
Secondary highway, hard surface
Light duty road, principal street, hard or improved surface
Other road or street; trail
Route marker: Interstate; U. S.; State
Railroad: standard gage; narrow gage
Bridge; overpass; underpass
Tunnel: road; railroad
Built up area; locality; elevation
Airport; landing field; landing strip
National boundary
State boundary
County boundary
National or State reservation boundary
Land grant boundary
U. S. public lands survey: range, township; section
Range, township; section line: protracted
Power transmission line; pipeline
Dam; dam with lock
Cemetery; building
Windmill; water well; spring
Mine shaft; adit or cave; mine, quarry; gravel pit
Campground; picnic area; U. S. location monument
Ruins; cliff dwelling
Disturbed surface: strip mine, levee; sand
Contours: index; intermediate; supplementary
Bathymetric contours: index; intermediate
Stream, lake: perennial; intermittent
Rapids, large and small; falls, large and small
Area to be submerged; marsh, swamp
Land subject to controlled inundation; woodland
Scrub; mangrove
Orchard; vineyard

A pamphlet describing topographic maps is available on request

● INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1987

KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
MILES 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13

SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 10 METERS

1000 0 5000 10 000 15 000 20 000 METERS
5000 0 10 000 20 000 30 000 40 000 50 000 60 000 70 000 FEET

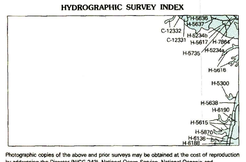
TRENTON, NEW JERSEY–PENNSYLVANIA–NEW YORK
40074-A1-TB-100
1986

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-5234a	1932	1:10,000	.03-.14
H-5380	1933	1:10,000	.01-.09
H-5381	1933	1:10,000	.01-.09
H-5615	1934	1:10,000	.02-.06
H-5616	1934	1:10,000	.03-.12
H-5617	1934	1:10,000	.02-.08
H-5634	1934	1:10,000	.02-.08
H-5637	1934	1:10,000	.02-.08
H-5638	1934	1:10,000	.01-.11
H-5736	1935	1:20,000	.04-.22
H-5870	1935	1:10,000	.02-.08
H-6187	1936	1:40,000	.05-.20
H-6188	1936	1:40,000	.05-.35
H-6190	1936	1:40,000	.05-.50
H-7964	1950	1:10,000	.02-.06

NOS CHART 12331 1961 1:15,000
NOS CHART 12332 1979 1:20,000

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

Meters 0 — Exposed at low tide — 0 Feet
20 — DEPTH GRADIENT — 65.6
Maximum depth