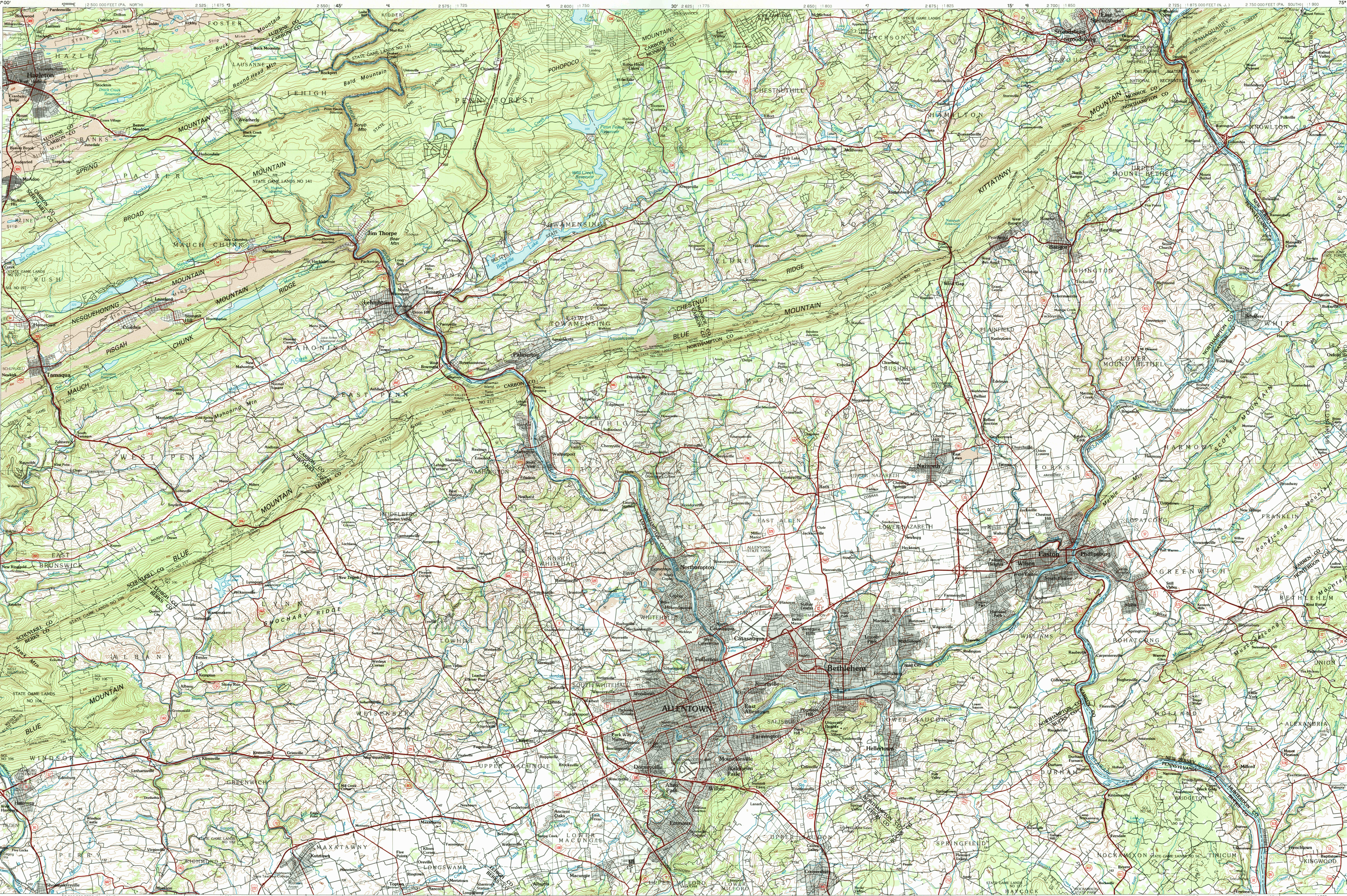


ALLENTOWN, PENNSYLVANIA—NEW JERSEY

30 X 60 MINUTE SERIES (TOPOGRAPHIC)



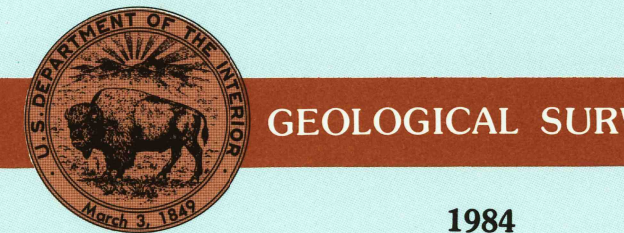
Allentown  
PENNSYLVANIA  
NEW JERSEY

1:100 000-scale metric  
topographic map



30 X 60 MINUTE QUADRANGLE  
SHOWING

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



Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps dated 1970-1984. Planimetry revised from aerial photographs taken 1981 and other source data. Revised information not field checked. Map edited 1984.  
Projection and 10 000-meter grid, zone 18: Universal Transverse Mercator. 25 000-foot grid ticks based on Pennsylvania coordinate system, south and north zones, and New Jersey coordinate system. 1927 North American Datum  
To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 31 meters west  
There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 20 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY  
P.O. BOX 252886, DENVER, COLORADO 80225

| CONVERSION TABLE                             |         | DECLINATION DIAGRAM                                                                                     | ADJOINING MAPS |   |   |   |   |
|----------------------------------------------|---------|---------------------------------------------------------------------------------------------------------|----------------|---|---|---|---|
| Meters                                       | Feet    |                                                                                                         | 1              | 2 | 3 | 4 | 5 |
| 1                                            | 3.2808  |                                                                                                         | 1              | 2 | 3 | 4 | 5 |
| 2                                            | 6.5617  |                                                                                                         | 6              | 7 | 8 |   |   |
| 3                                            | 9.8425  |                                                                                                         |                |   |   |   |   |
| 4                                            | 13.1234 |                                                                                                         |                |   |   |   |   |
| 5                                            | 16.4042 |                                                                                                         |                |   |   |   |   |
| 6                                            | 19.6850 |                                                                                                         |                |   |   |   |   |
| 7                                            | 22.9659 |                                                                                                         |                |   |   |   |   |
| 8                                            | 26.2467 |                                                                                                         |                |   |   |   |   |
| 9                                            | 29.5275 |                                                                                                         |                |   |   |   |   |
| 10                                           | 32.8084 |                                                                                                         |                |   |   |   |   |
| To convert meters to feet multiply by 3.2808 |         | UTM grid convergence (GN) and 1984 magnetic declination (MN) at center of map<br>Diagram is approximate | 1              | 2 | 3 | 4 | 5 |
| To convert feet to meters multiply by 0.3048 |         |                                                                                                         | 6              | 7 | 8 |   |   |
|                                              |         |                                                                                                         |                |   |   |   |   |

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USGS NMD  
HISTORICAL MAP ARCHIVES  
Topographic Map Symbols

|                                                             |  |
|-------------------------------------------------------------|--|
| Primary highway, hard surface                               |  |
| Secondary highway, hard surface                             |  |
| Light duty road, principal street, hard or improved surface |  |
| Other road or street, soil                                  |  |
| 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                                          |  |
| Wellhead; water well; spring                                |  |
| Mine shaft; adit or cave; mine; quarry; gravel pit          |  |
| Campground; picnic area; U. S. location monument            |  |
| Ruin; cliff dwelling                                        |  |
| Distorted surface: strip mine, lava; 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             |  |
| Salt; mangrove                                              |  |
| Drain; vineyard                                             |  |

A pamphlet describing topographic maps is available on request