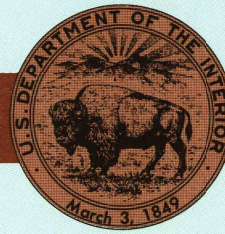




30 X 60 MINUTE QUADRANGLE
SHOWING

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



GEOLOGICAL SURVEY

1984

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

NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

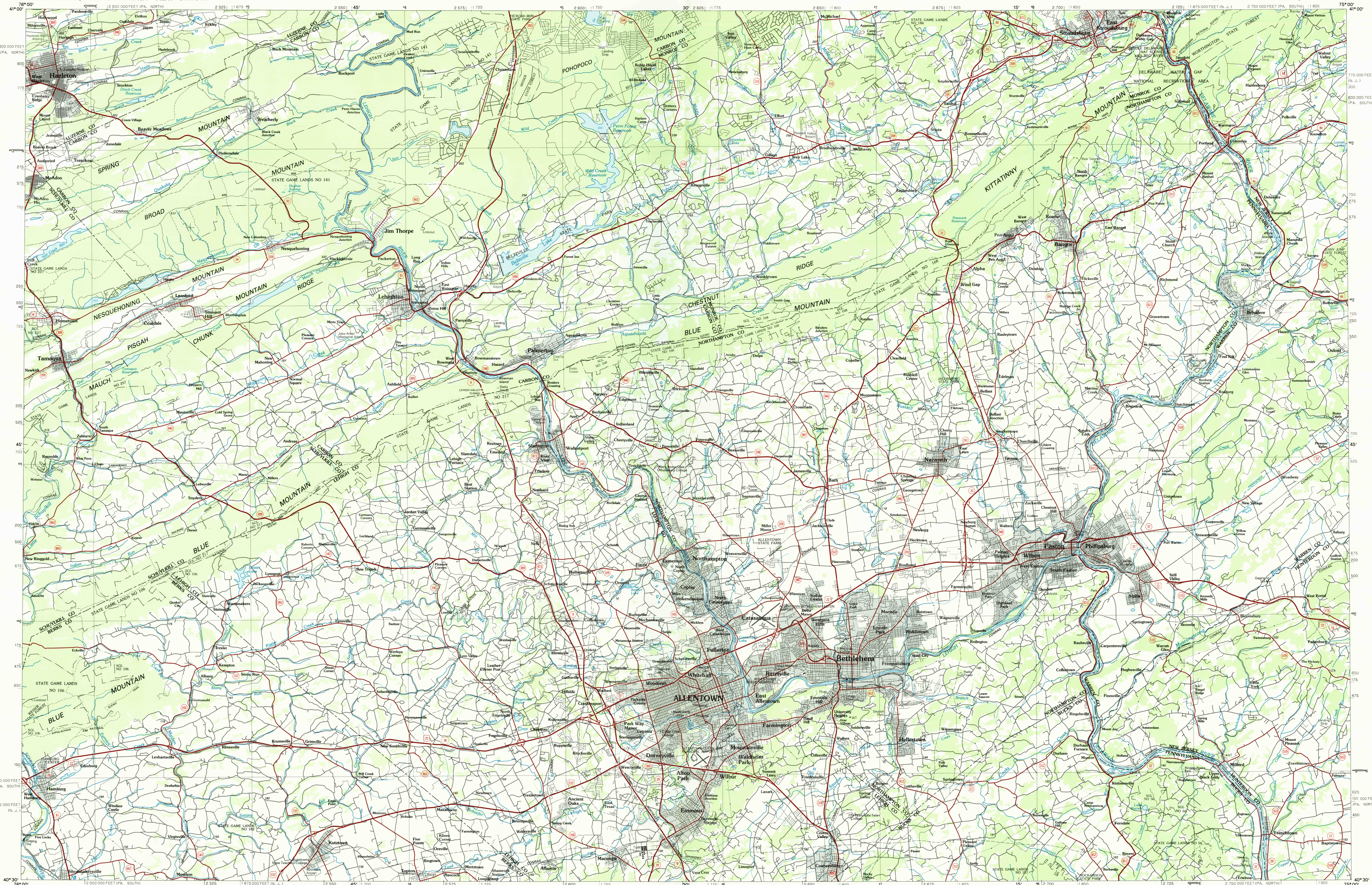
CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS													
Meters	Feet		1	2	3	4	5									
1	3.2808		1	2	3	4	5									
2	6.5617		1	2	3	4	5									
3	9.8425		1	2	3	4	5									
4	13.1234		1	2	3	4	5									
5	16.4042		1	2	3	4	5									
6	19.6850		1	2	3	4	5									
7	22.9659		1	2	3	4	5									
8	26.2467		1	2	3	4	5									
9	29.5275		1	2	3	4	5									
10	32.8084		1	2	3	4	5									
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1984 magnetic declination (M) at center of map Diagram is approximate	<table><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td></tr></table> 1 Williamsport East 2 Scranton 3 Middletown 4 Sunbury 5 Newark 6 Harrisburg 7 Reading 8 Trenton					1	2	3	4	5	6	7	8	9
1	2		3													
4	5	6														
7	8	9														
To convert feet to meters multiply by 0.3048																

USGS NHD HISTORICAL MAP
FOR SALE BY U.S. GEOLOGICAL SURVEY
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RESTON, VIRGINIA 22092

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: protected	
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	
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	
Scrub; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request



SCALE 1:100 000

ALLENTOWN, PENNSYLVANIA—NEW JERSEY

40075-E1-PL-100

1984