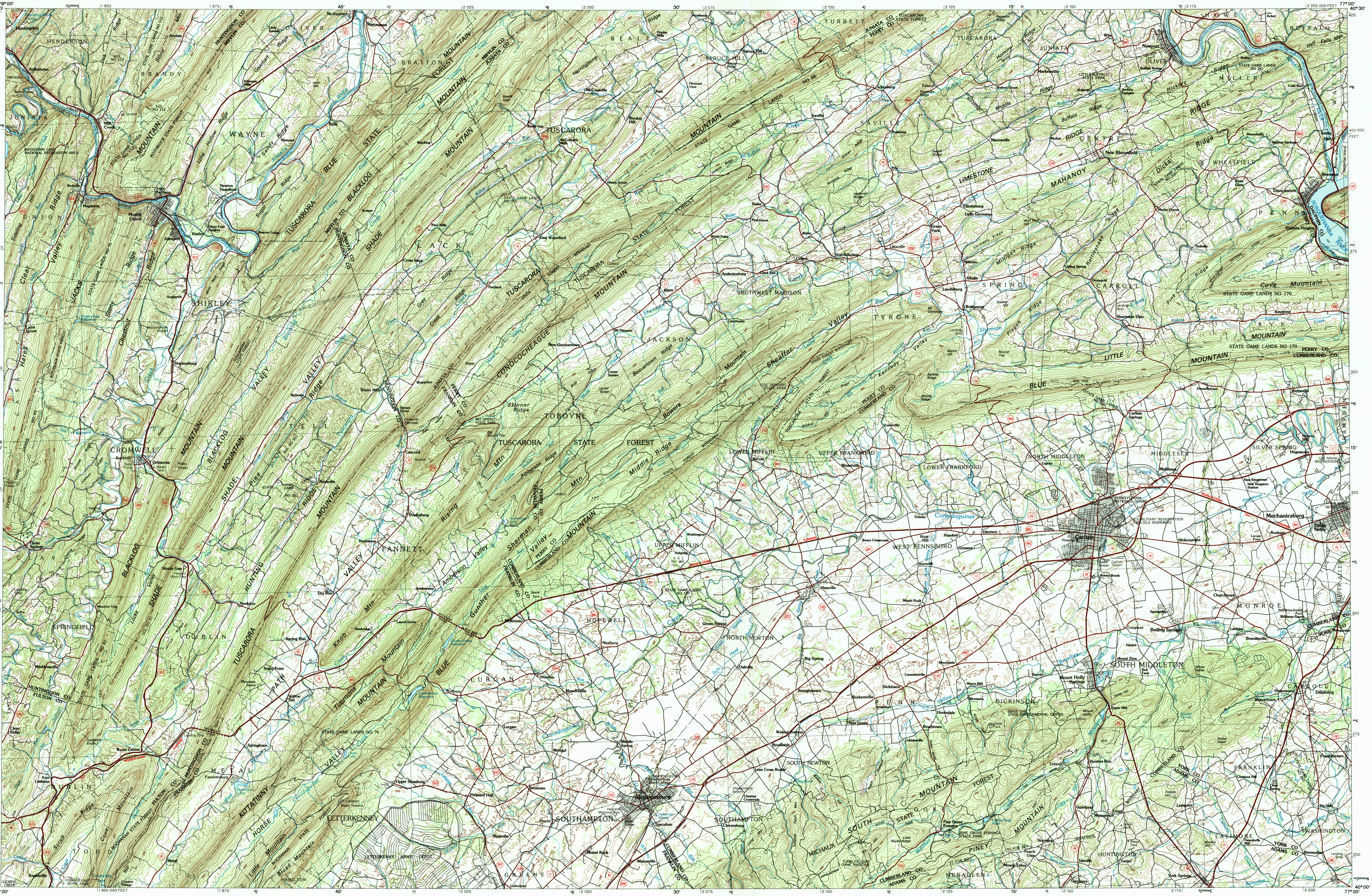

● INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1989

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 20 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

CARLISLE, PENNSYLVANIA
40077-A1-TM-100
1984
PHOTOINSPECTED 1983 AND 1985

Carlisle
PENNSYLVANIA

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

GEOLOGICAL SURVEY

1984
PHOTOINSPECTED 1983 AND 1985

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1971–1979. Planimetry revised from aerial photographs taken 1976–1980 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 zone. 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 25 meters west

There may be private inholdings within the boundaries of the National or State reservations shown on this map

Map photoinspected using 1983 and 1985 photographs
No major culture or drainage changes found

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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

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
10° 178 MILS
1°37' 29 MILS

UTM grid convergence (GN) and 1984 magnetic declination (MN) at center of map
Diagram is approximate

ADJOINING MAPS

1	2	3
4		5
6	7	8

1 Tyrone
2 State College
3 Sunbury
4 Johnstown
5 Harrisburg
6 Cumberland
7 Hagerstown
8 York

FOR SALE BY U. S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR 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: 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
- 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

USGS NMD HISTORICAL MAP
JUN 29 1989
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