

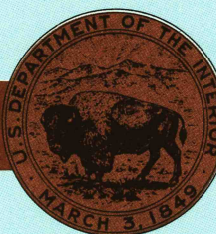
Pittsburgh East  
PENNSYLVANIA

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

1986

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1953-1981. Planimetry revised from aerial photographs taken 1982-83 and other source data. Revised information not field checked. Map edited 1986

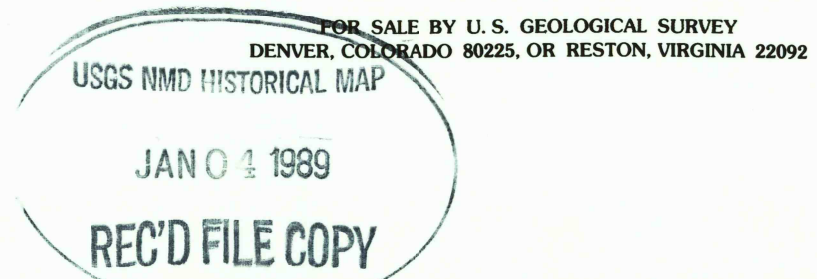
Projection and 10 000-meter grid, zone 17.  
Universal Transverse Mercator  
25 000-foot grid ticks based on Pennsylvania coordinate system, south zone  
1927 North American Datum  
To place on the predicted North American Datum 1983, move the projection lines 4 meters south and 20 meters west  
There 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

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS			
Meters	Feet		1	2	3	
1	3.2808		1	2	3	
2	6.5617		4	5	6	
3	9.8425		7	8		
4	13.1234					
5	16.4042					
6	19.6850					
7	22.9658					
8	26.2467					
9	29.5275					
10	32.8084					
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN and 1983 magnetic declination (MD) at center of map Diagram is approximate				
To convert feet to meters multiply by 0.3048						

- 1 East Liverpool
- 2 Indiana
- 3 Tyrone
- 4 Pittsburgh West
- 5 Johnstown
- 6 Moundsville
- 7 Morgantown
- 8 Cumberland



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; tractated.....	
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.....	
Sandy, mangrove.....	
Orchard; vineyard.....	

A pamphlet describing topographic maps is available on request

