

# East Liverpool

OHIO-PENNSYLVANIA-  
WEST VIRGINIA

1:100 000-scale  
planimetric map

30 X 60 MINUTE QUADRANGLE  
SHOWING

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

GEOLOGICAL SURVEY

1986

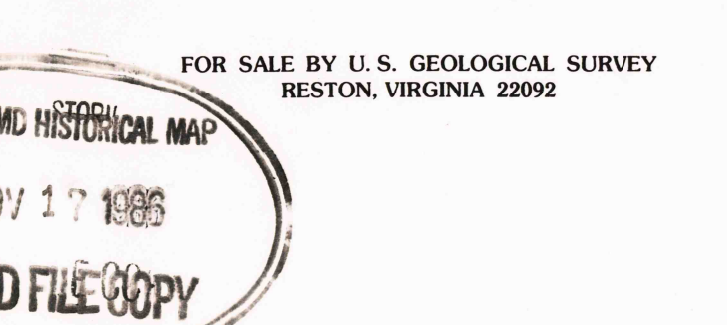
Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps  
dated 1955-1979. Planimetry revised from aerial photographs  
taken 1982-83 and other source data. Revised information not  
field checked. Map edited 1986.

Projection and 10 000-meter grid, zone 17,  
Universal Transverse Mercator  
25 000-foot grid ticks based on Pennsylvania coordinate  
system, south zone, Ohio coordinate system, north zone,  
and West Virginia coordinate system, north zone  
1927 North American Datum  
To place on the predicted North American Datum 1983, move  
the projection lines 3 meters south and 17 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
1	3.2808	<p>11.8 MILS      0.020°      6 MILS</p>	1	2	3
2	6.5617		4	5	6
3	9.8425		7	8	9
4	13.1234		10	11	12
5	16.4042		13	14	15
6	19.6850		16	17	18
7	22.9659		19	20	21
8	26.2467		22	23	24
9	29.5276		25	26	27
10	32.8084		28	29	30
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1986 magnetic declination (MD) at center of map Diagram is approximate	1 Cleveland South 2 Youngstown 3 Oil City 4 Canton 5 Indiana 6 Coshocton 7 Pittsburgh West 8 Pittsburgh East		
To convert feet to meters multiply by 0.3048					



### Topographic Map Symbols

Primary highway, hard surface. . . . .

Secondary highway, hard surface. . . . .

Light gray road, principal street, hard or improved surface. . . . .

Other road or street, trail. . . . .

Route marker, Interstate, U.S. State. . . . .

Railroad, standard gauge, narrow gauge. . . . .

Bridge, overpass, underpass. . . . .

Build 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. . . . .

Canal, waterway. . . . .

Windsail, 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, ice, sand. . . . .

Contour: 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