



# East Liverpool

## OHIO-PENNSYLVANIA- WEST VIRGINIA

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 1953-1979. 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

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	ADJUDICATING MAPS		
Meters	Feet		1	2	3
1	3.2808		4	5	
2	6.5617				
3	9.8425				
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 (GCM and 1983 magnetic declination (MM) at center of map Diagram is approximate			
To convert feet to meters multiply by 0.3048					

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DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

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### 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 gauge, narrow gauge	
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