

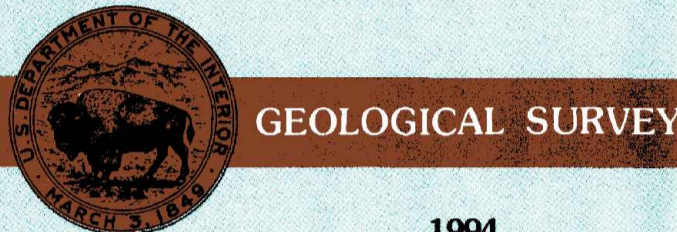
# Cleveland South OHIO

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



Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000- and 1:62 500-scale topographic maps dated 1959-1979. Planimetry revised from aerial photographs taken 1988-91 and other source data. Revised information not field checked. Map edited 1994  
 North American Datum of 1927 (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 17 25 000-foot ticks: Ohio coordinate system, north zone  
 The values of the shift between NAD 27 and North American Datum of 1983 (NAD 83) for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software  
 There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 10 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	MAGNETIC		1	2	3
1	3.2808	N		4	5	6
2	6.5616	D		7	8	
3	9.8424	M				
4	13.1232	S				
5	16.4040	E				
6	19.6848	W				
7	22.9656	N				
8	26.2464	D				
9	29.5272	M				
10	32.8080	S				

To convert meters to feet multiply by 3.2808  
 To convert feet to meters multiply by 0.3048

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

1	Put-In-Bay
2	Cleveland North
3	Ashland
4	Lorain
5	Youngstown
6	Mansfield
7	Canton
8	East Liverpool

FOR SALE BY U.S. GEOLOGICAL SURVEY  
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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 gage, narrow gage
- Bridge: overpass, culvert
- 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
- Cannery; building
- Windmill; water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U.S. location monument
- Ruin; cliff dwelling
- Dotted surface: strip mine, lava, 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
- Straw, meadow
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

