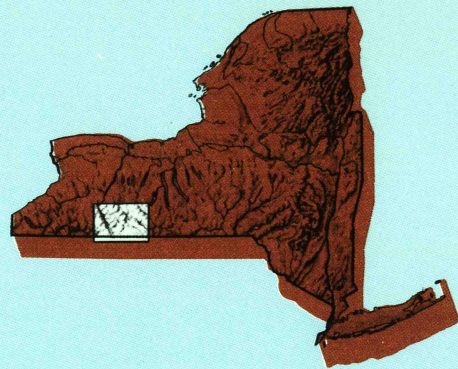


Olean

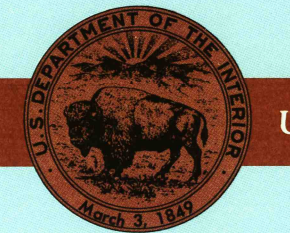
NEW YORK-PENNSYLVANIA

**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



U. S. GEOLOGICAL SURVEY

1986

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1961-1979. Planimetry revised from aerial photographs taken 1981 and other source data. Revised information not field checked. Map edited 1986.

1927 North American Datum (NAD 27). Projection and scale to 100,000 feet. UTM zone 18N, UTM zone 17 25 000-foot ticks. New York coordinate system, west zone

The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in the table on page 18.

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

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

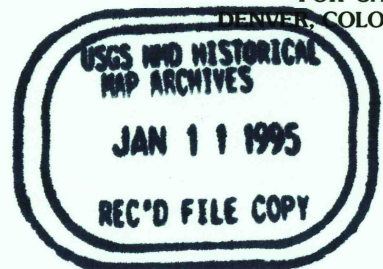
UTM grid convergence (GN) and 1983 magnetic declination (MN) at center of map
 Diagram is approximate

1	2	3
1	2	3
4	5	6
7	8	9

1 Silver Creek
 2 Buffalo
 3 Canadaigua
 4 Jamestown
 5 Hornell
 6 Warren
 7 Bradford
 8 Wellsville

1	2	3
4		5
6	7	8
1 Silver Creek 2 Buffalo 3 Canandaigua 4 Jamestown 5 Hornell 6 Warren 7 Bradford 8 Wellsboro		

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	
Roadway marker, Interstate, U.S., State	
Railroad, standard gage; narrow gage	
Railroad, overpass, underpass	
Tunnel: road, railroad	
Built up area, locality, elevation	
Port: landing field, landing strip	
National boundary	
County boundary	
Civil township boundary	
National or State reservation boundary	
Land grant boundary	
U.S. public lands survey: range, township; section	
Range, township, section line: protected	
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. National monument	
Ruins, cliff dwelling	
Disturbed surface: strip mine, lava, sand	
Contour line, intermittent	
Bathymetric contour; ice, 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	
Struck mangrove	
Orchard, vineyard	

A pamphlet describing topographic maps is available on request

