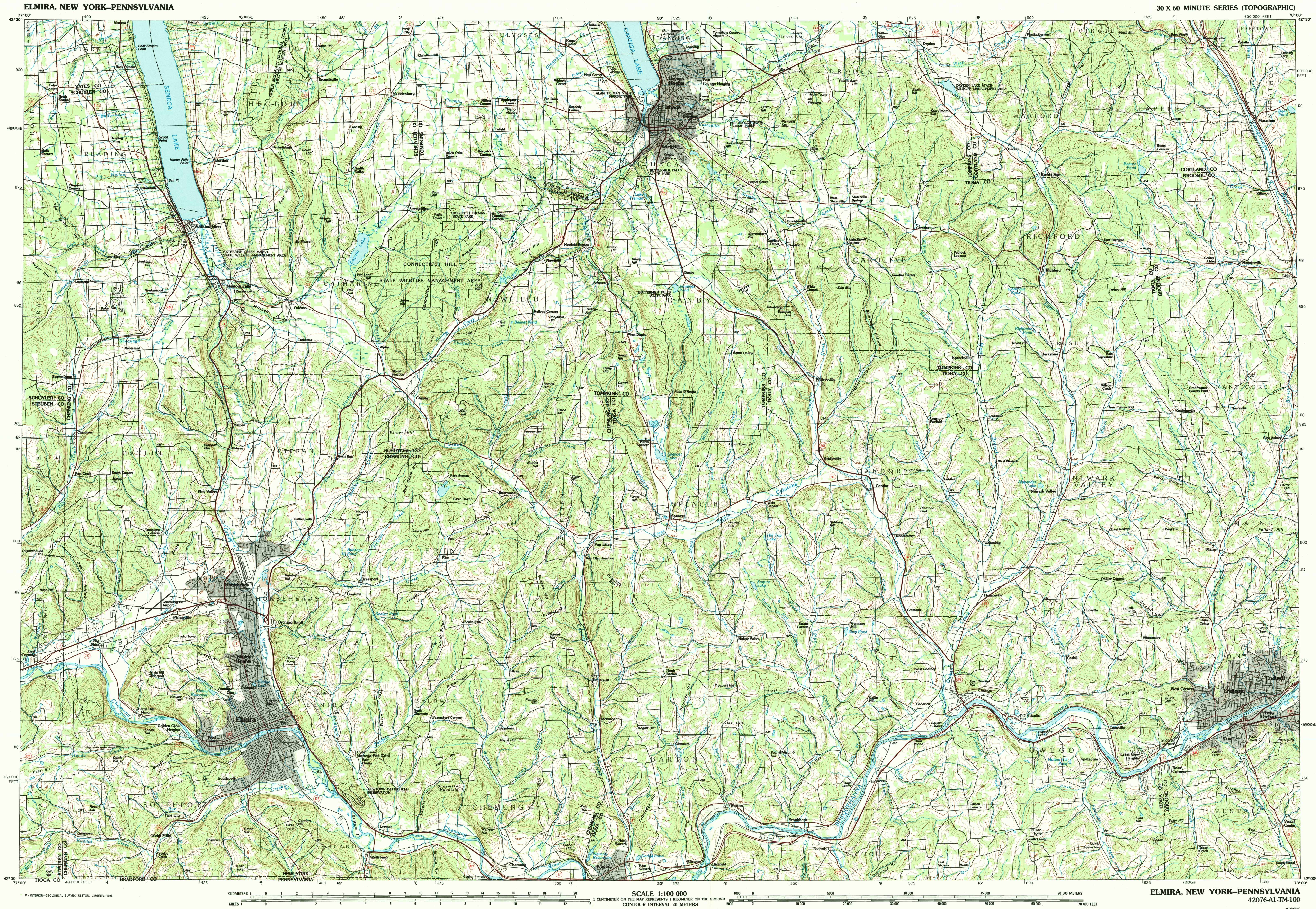
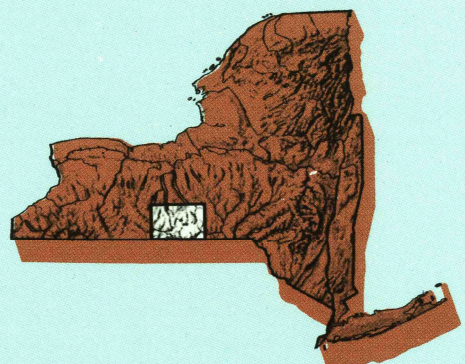




Elmira

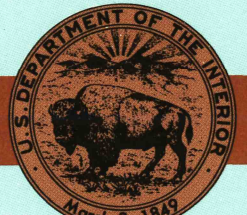
NEW YORK-PENNSYLVANIA

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
PHOTOINSPECTED 1992

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1949-1978. Planimetry revised from aerial photographs taken 1980 and other source data. Revised information not field checked. Map edited 1986.

Projection and 10 000-meter grid, zone 18, Universal Transverse Mercator
25 000-foot grid ticks based on New York coordinate system, central zone

1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 4 meters south and 21 meters west.

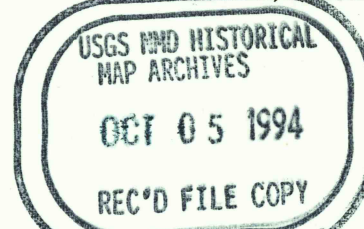
There may be private holdings within the boundaries of the National or State reservations shown on this map.
Map photoinspected using 1988, 1990, and 1992 photographs.
No major culture or drainage changes found.

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	4	5																
1	3.2808		1	2	3	4	5																
2	6.5617		6	7	8																		
3	9.8425																						
4	13.1234																						
5	16.4042																						
6	19.6850																						
7	22.9659																						
8	26.2467																						
9	29.5275																						
10	32.8084																						
To convert meters to feet multiply by 3.2808		UTM grid convergence (GM) and 1986 magnetic declination (MD) at center of map. Diagram is approximate.	<table><tr><td>1</td><td>Canadaigua</td></tr><tr><td>2</td><td>Auburn</td></tr><tr><td>3</td><td>Norwich</td></tr><tr><td>4</td><td>Hornell</td></tr><tr><td>5</td><td>Binghamton</td></tr><tr><td>6</td><td>Wellbore</td></tr><tr><td>7</td><td>Townsend</td></tr><tr><td>8</td><td>Honesdale</td></tr></table>					1	Canadaigua	2	Auburn	3	Norwich	4	Hornell	5	Binghamton	6	Wellbore	7	Townsend	8	Honesdale
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7	Townsend																						
8	Honesdale																						
To convert feet to meters multiply by 0.3048																							

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092



Topographic Map Symbols

Primary highway, hard surface		National or State reservation boundary	
Secondary highway, hard surface		Land grant boundary	
Light duty road, principal street, hard or improved surface		U.S. public lands survey: range, township, section	
Other road or street, trail		Range, township, section line: protected	
Road marker: Interstate, U.S., State		Power transmission line: pipeline	
Railroad: standard gage, narrow gage		Dam; dam with lock	
Bridge, overpass, underpass		Cemetery: building	
Tunnel: road, railroad		Windmill, water well, spring	
Build up area, locality, elevation		Mine shaft; adit or cave; mine, quarry; gravel pit	
Airport; landing field; landing strip		Campground; picnic area; U.S. location monument	
National boundary		Ruins; cliff dwelling	
State boundary		Distorted surface: strip mine, lava, sand	
County boundary		Contours: index, intermediate, supplementary	
Civil township boundary		Bathymetric contours: index, intermediate	
Land grant boundary		Stream, lake: perennial, intermittent	
U.S. public lands survey: range, township, section		Rapids, large and small; falls, large and small	
Range, township, section line: protected		Area to be submerged; marsh, swamp	
Power transmission line: pipeline		Land subject to controlled inundation; woodland	
Dam; dam with lock		Swamp, mangrove	
Cemetery: building		Orchard; viewshed	
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			
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A pamphlet describing topographic maps is available on request

ELMIRA, NEW YORK-PENNSYLVANIA
42076-A1-TM-100

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