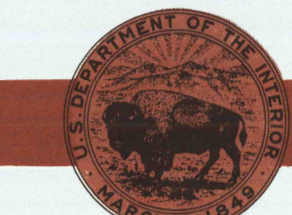


30 X 60 MINUTE QUADRANGLE
SHOWING

- 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 1953-1978. Planimetry revised from other source data. Revised information not field checked. Map dated 1986.

Projection and 10 000-meter grid, zone 18 Universal Transverse Mercator

25 000-foot grid ticks based on New York coordinate system, central and west zones. 1927 North American Datum

To place on the projected North American Datum 1983 move the projection lines 3 meters south and 24 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	Diagram		1	2
1	3.2808			3	4
2	6.5617			4	5
3	9.8425			5	6
4	13.1234			6	7
5	16.4042			7	8
6	19.6850			8	
7	22.9659				
8	26.2467				
9	29.5275				
10	32.8084				

To convert meters to feet multiply by 2.2036
To convert feet to meters multiply by 0.3048

UTM grid convergence (GM) and 1986 magnetic declination (MD) at center of map. Diagram is approximate.

1 Buffalo
2 Canadawaga
3 Auburn
4 Chemung
5 Elmira
6 Bradford
7 Wellbore
8 Towanda

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OR RESTON, VIRGINIA 22092

USGS NMD HISTORICAL MAP
AUG 25 1986
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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; 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; protected
- Power transmission line; pipeline
- Dam; dam with lock
- Cemetery; building
- Wellhead; water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Ruin; cliff dwelling
- Distorted surface: strip mine, lava, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake; perennial; intermittent
- Ripids, large and small; lake, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Ditch; viaduct

