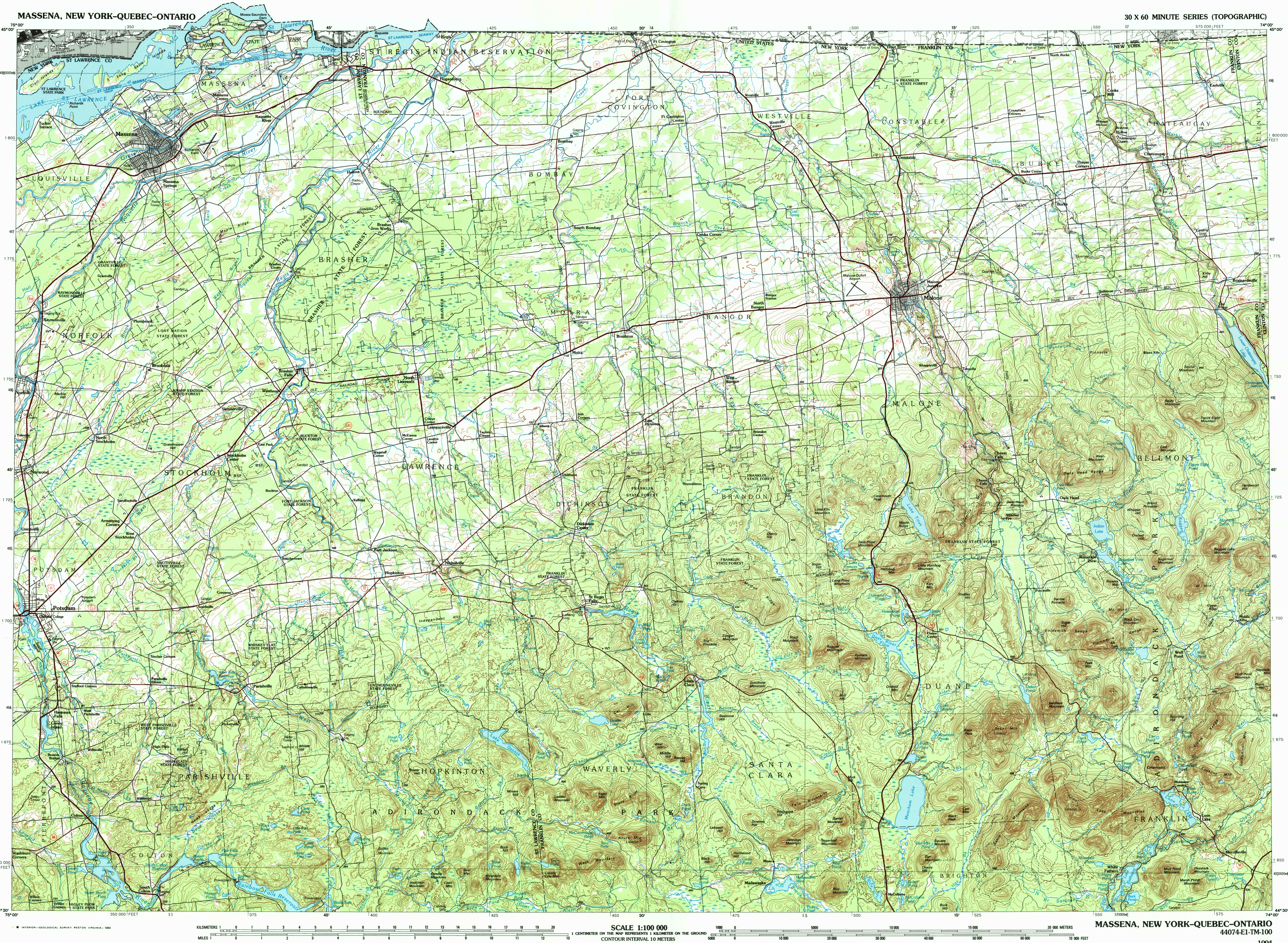
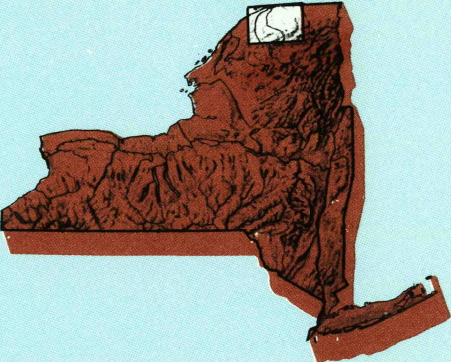


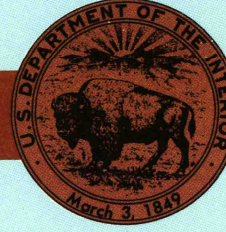


Massena
NEW YORK-QUEBEC
ONTARIO
1:100 000-scale metric
topographic map



**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

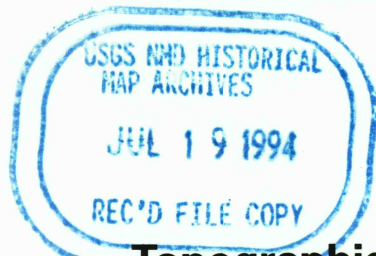
1994

Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic maps dated 1964-1968. Planimetry revised from aerial photographs taken 1988 and other source data. Revised information not field checked. Map edited 1994 Canadian portion copied from Department of Energy, Mines and Resources. 1:50,000-scale topographic maps dated 1982-83 Canadian portion of this map © by Her Majesty the Queen in Right of Canada, and may not be reproduced or redistributed without express consent of Energy, Mines and Resources Canada, 4th Floor, 615 Booth Street, Ottawa, Ontario, K1A 0E9
1927 North American Datum (NAD 27). Projection and 10 000-meter grid. Universal Transverse Mercator, zone 18 25 000-foot ticks: New York coordinate system, east 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 USGS Bulletin 1875
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
THE U.S. PORTION OF THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS			
Meters	Feet		1	2	3	
1	3.2808		1	2	3	
2	6.5617		4	5		
3	9.8425		6	7	8	
4	13.1234		1	2		
5	16.4042		3			
6	19.6850		5			
7	22.9659		6			
8	26.2467		7			
9	29.5275		8			
10	32.8084		9			
To convert meters to feet multiply by 3.2808		UTM grid convergence (IGN) and 1984 magnetic declination (M) at center of map. Diagram is approximate				
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
- 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
- Civil township 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 contour: 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