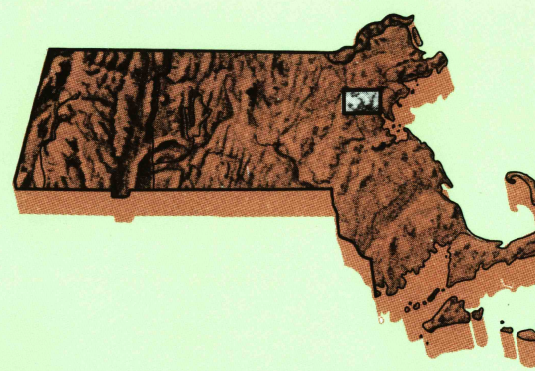


Boston North

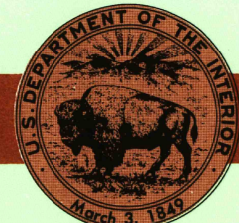
MASSACHUSETTS

**1:25 000-scale metric
topographic map**



7.5 X 15 MINUTE QUADRANGLE
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1985

Produced by the United States Geological Survey
in cooperation with Massachusetts Department
of Public Works

Control by USGS, NOS-NOAA, and some of the
Massachusetts agencies

Compiled by photogrammetric methods from aerial
photographs taken 1975. Field checked 1979. Map edited 1983

Stretches Boston North and Lexington 1:25,000-scale
maps dated 1971

Sourced hydrographic data compiled from NOS chart 13272 (1982)

This information is not intended for navigational purposes

Projection and 1000-meter grid: Universal
Transverse Mercator, zone 19

1000-foot grid lines from Massachusetts coordinate
system, mainland zone. 1927 North American Datum
to place on the predicted North American Datum 1983
makes the projection line 6 meters shorter than the map

41 meters west as shown by dashed corner ticks

There may be private inclusions within the boundaries of
National or State reserves or other areas on this map

CONTOUR INTERVAL 3 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST 0.5 METER
DEPTH CURVES AND SOUNDINGS IN METERS
DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE
OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.9 METERS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80295 OR RESTON, VIRGINIA 20192

DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
CONVERSION TABLE DECLINATION DIAGRAM ADJOINING MAPS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJUDGING POINTS	
Meters	Feet			1	2
1	3.2808		4	5	
2	6.5617		7	8	
3	9.8425				
4	13.1234				
5	16.4042				
6	19.6850				
7	22.9658				
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 1985 magnetic declination (MN) at center of map Diagram is approximate

1	Billercia
2	Reading
3	Salem
4	Maynard
5	Lynn
6	Frammingham
7	Boston South
8	Hull

ISBN 0-607-23443-1



Topographic Map Symbols

- Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road, trail
Route marker: Interstate, U. S. State
Railroad: standard gauge, narrow gauge
Bridge: drawbridge
Footbridge, overpass, underpass
Built-up area: only selected landmark buildings shown
House, barn, church, school, large structure
Boundary
National, with monument
County, parish
Civil township, precinct, district
Incorporated city, village, town
Unincorporated community
Land grant with reservation; small park
Land grant with monument; found section corner
U. S. public lands survey: range, township, section
Range, township, section line: location approximate
Fence or rail
Power transmission line, located tower
Dam, dam with lock
Cemetery, graves
Camground, picnic area, U. S. location monument
Wetland; water well; spring
Mine shaft; prospect; old or cave
Control, historical station; vertical station; spot elevation
Contour interval: intermediate; supplementary; depression
Distorted surface: strip mine, levee, sand
Bathymetric contours: interval, intermediate
Intersecting line and stream
Intersecting lake and stream
Rapids, large and small; falls, large and small
Submerged marsh; marsh, swamp
Land subject to controlled inundation; woodflood
Symb. megaliths
Orchard; vineyard

A pamphlet describing topographic maps is available on request

SEP 18 1996

021 1 G 1996

